

# Utility Occupancy Application and Permit

Permit # 1617 (16)

**Applicant Information:**

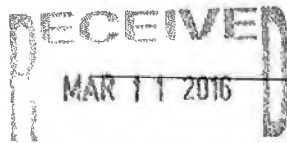
DAKOTA ACCESS LLC of Houston Tx 77002  
Owner of Facility City State

1300 MAIN STREET  
Mailing Address

Carrie Cunningham SR. Permits Agent 802-989-2489  
Applicant's Agent Title Telephone Number

Mercer County Road # 11 ST. SW Direction N S E (W) miles from city of \_\_\_\_\_  
 or 7600' miles from Junction Mercer County Road # CR 7  
 Section(s) 30 & 31 Township 144 Range 90

**Type of Facility:**



30" CRUDE OIL PIPELINE  
Description of proposed facility (include drawings/sketches/staking sheet)

OPEN CUT  
Description of proposed method of installation

<small>BY: _____</small>	<small>Size of Facility</small>	<small>Number of Cables</small>	<small>Length of Down Guys</small>
	<u>1440 PSIG</u>	<u>N/A</u>	<u>N/A</u>
	<small>Pipeline Pressure</small>	<small>Size of Casing</small>	<small>Length of Casing</small>
	_____	_____	_____
	<small>Location of Pole(s)</small>	<small>Location of Appurtenances (Vents, Manholes, Valves, etc.)</small>	<small>Location-Others</small>

**Terms & Conditions:** Installation and method of said facilities on highway right of way shall be subject to the following terms & conditions; and the installation & maintenance provisions, attached hereto and made a part hereof.

- A. Installation of said facility shall be done in a manner satisfactory to the Mercer County Road Superintendent.
- B. Applicant shall notify the Mercer County Road Superintendent 48 hours prior to maintaining, relocating, or removal of said facilities. All disturbed areas shall be restored to their original condition in a manner satisfactory to the Mercer County Road Superintendent.
- C. Mercer County shall not be liable for damage to said facilities resulting from reconstruction or maintenance of the highway. Applicant shall hold Mercer County and any of its employees harmless for injury to persons or damage to property resulting from the location of said facilities on highway right of way.
- D. Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over, or under highway right of way, which may be damaged as a result of the installation & maintenance of said facilities on highway right of way.
- E. Applicant shall remove said facilities from highway right of way or shall relocate or adjust said facilities at its sole cost & expense when they are requested to do so by Mercer County, which shall be completed as soon thereafter as is practicable.
- F. Containment of Weeds until permanent grass has been established.
- G. Additional installation & maintenance requirements are as follows (if applicable):

H. Installation shall be completed on or before 2/11/16 \_\_\_\_\_  
Date  Vice President, Land and Right of Way  
Applicant Signature

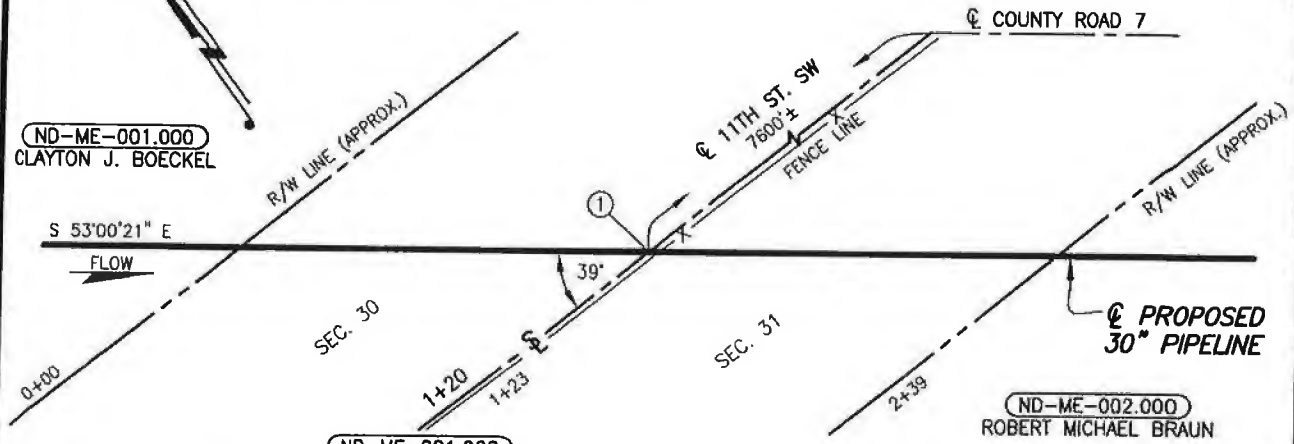
Applicant is hereby granted permission to install & maintain the facilities applied for, as shown on the plans attached hereto & made a part hereof.

Approved by Mercer County Board of Commissioners/Road Superintendent this 6 day of April 20 16  
Rep. Miller \_\_\_\_\_ [Signature] \_\_\_\_\_  
Road Superintendent Chairman, Mercer County Commission

ND-ME-001,900 11 St. SW

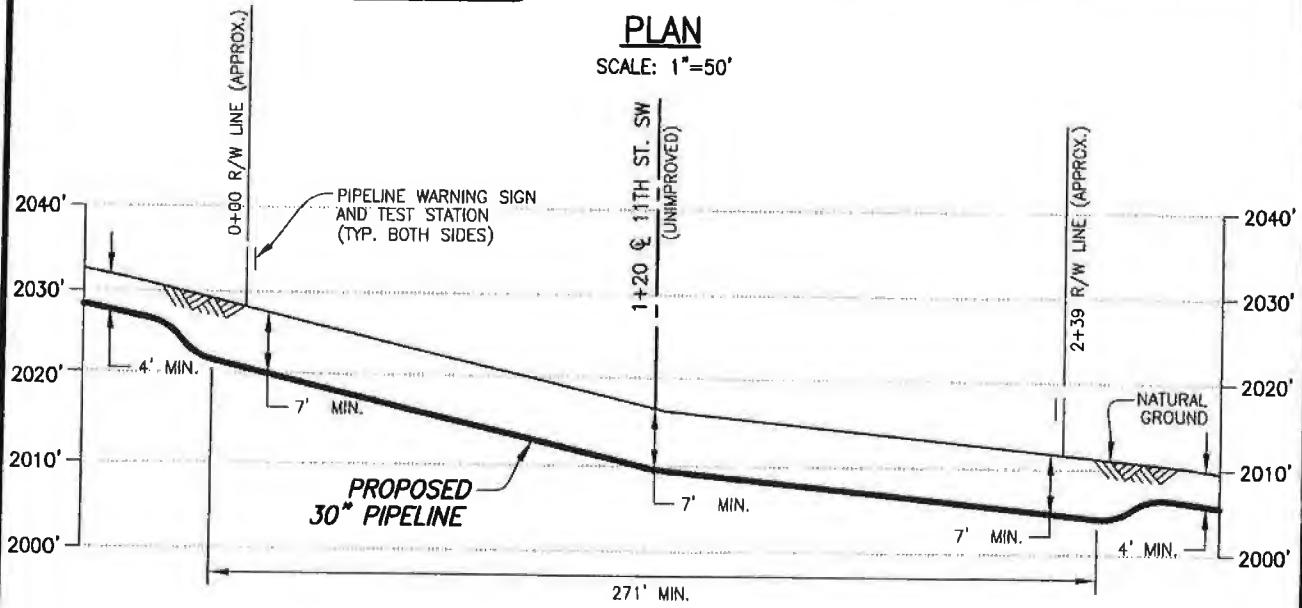
# MERCER COUNTY, NORTH DAKOTA

SECTIONS 30 & 31, TOWNSHIP 144 NORTH, RANGE 90 WEST



## PLAN

SCALE: 1"=50'



## PROFILE

SCALE: 1"=50' HORIZ.  
1"=20' VERT.

### PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.  
API 5LX-70 HSAW  
COATING: 14-16 MILS FBE  
SERVICE: CRUDE OIL  
INSTALLATION: OPEN CUT  
MIN. TEST PRESSURE: 1,800 PSIG  
MOP: 1,440 PSIG  
MIN. YIELD STRENGTH: 70,000 PSI

① X=2352064.54  
Y=17183706.87

### DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET

T.B.M.:  $\odot$  11TH ST. SW  
AT STA. 1+20, ELEV. 2016.76'

FILE: R:\Projects\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MERCER COUNTY\103957-PB-ND-ME-001.900.dwg PLOT DATE: 3/3/2016 BY: MADAMBA, JOEY

REV.	DATE	BY	DESCRIPTION	CHK.
A	03/02/16	ARC	ISSUED FOR USE/PERMIT	RC

PROJECT NO. 10395700



**WOOD GROUP MUSTANG, INC.**  
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

## PROPOSED 30" DAPL PIPELINE CROSSING

11TH ST. SW

MERCER COUNTY		NORTH DAKOTA	
DRAWN BY: ARC	DATE: 03/02/16	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/16	ND-ME-001.900	A
SCALE: AS SHOWN	APP.:		

# Utility Occupancy Application and Permit

Permit # 1618 (16)

**Applicant Information:**

DAKOTA ACCESS LLC of Houston Tx 77002  
Owner of Facility City State

1300 MAIN STREET  
Mailing Address

Claire Cunningham SR. Permits Agent 802-989-2489  
Applicant's Agent Title Telephone Number

Mercer County Road # 77 AVES W Direction (N) S E W \_\_\_\_\_ miles from city of \_\_\_\_\_  
 or 3410' miles from Junction Mercer County Road # CR 7  
 Section(s) 31 & 32 Township 144 Range 90

**Type of Facility:**

30" CRUDE OIL PIPELINE  
Description of proposed facility (include drawings/sketches/staking sheet)

OPEN CUT  
Description of proposed method of installation

RECEIVED  
 MAR 11 2016

BY: _____	_____	_____
Size of Facility	Number of Cables	Length of Down Guys
<u>1440 PSIG</u>	<u>N/A</u>	<u>N/A</u>
Pipeline Pressure	Size of Casing	Length of Casing
_____	_____	_____
Location of Pole(s)	Location of Appurtenances <small>(Vents, Manholes, Valves, etc.)</small>	Location-Others

**Terms & Conditions:** Installation and method of said facilities on highway right of way shall be subject to the following terms & conditions; and the installation & maintenance provisions, attached hereto and made a part hereof.

- A. Installation of said facility shall be done in a manner satisfactory to the Mercer County Road Superintendent.
- B. Applicant shall notify the Mercer County Road Superintendent 48 hours prior to maintaining, relocating, or removal of said facilities. All disturbed areas shall be restored to their original condition in a manner satisfactory to the Mercer County Road Superintendent.
- C. Mercer County shall not be liable for damage to said facilities resulting from reconstruction or maintenance of the highway. Applicant shall hold Mercer County and any of its employees harmless for injury to persons or damage to property resulting from the location of said facilities on highway right of way.
- D. Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over, or under highway right of way; which may be damaged as a result of the installation & maintenance of said facilities on highway right of way.
- E. Applicant shall remove said facilities from highway right of way or shall relocate or adjust said facilities at its sole cost & expense when they are requested to do so by Mercer County, which shall be completed as soon thereafter as is practicable.
- F. Containment of Weeds until permanent grass has been established.
- G. Additional installation & maintenance requirements are as follows (if applicable):
- H. Installation shall be completed on or before \_\_\_\_\_

2/11/16 \_\_\_\_\_  
Date Applicant Signature

**Vice President, Land and Right of Way**

Applicant is hereby granted permission to install & maintain the facilities applied for, as shown on the plans attached hereto & made a part hereof

Approved by Mercer County Board of Commissioners/Road Superintendent this 06 day of Apr 16

Way Miller \_\_\_\_\_ W. J. [Signature] \_\_\_\_\_  
Road Superintendent Chairman, Mercer County Commission

WD-ME-000 910

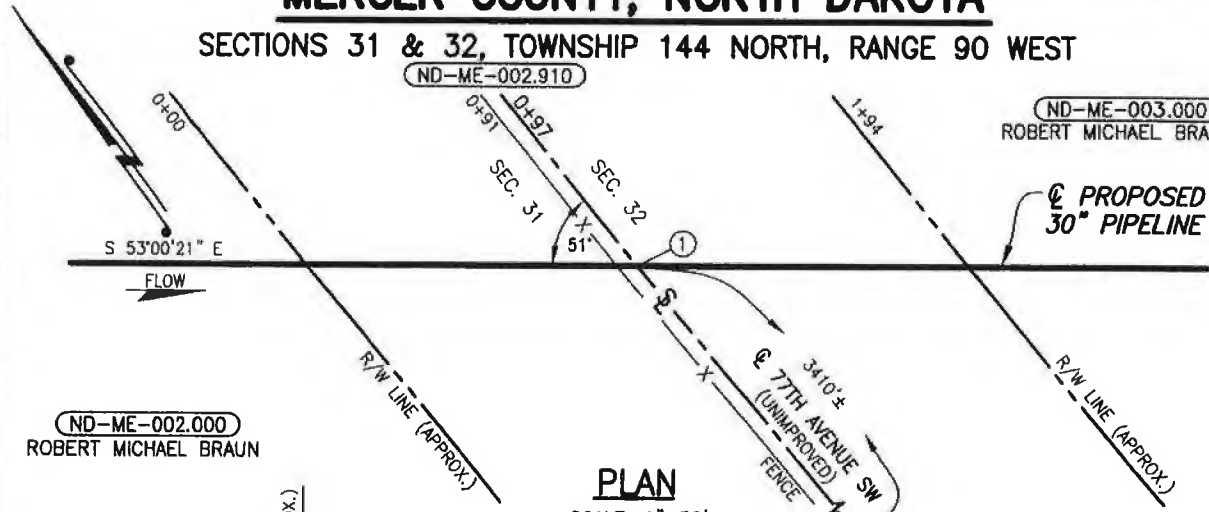
# MERCER COUNTY, NORTH DAKOTA

SECTIONS 31 & 32, TOWNSHIP 144 NORTH, RANGE 90 WEST

ND-ME-002.910

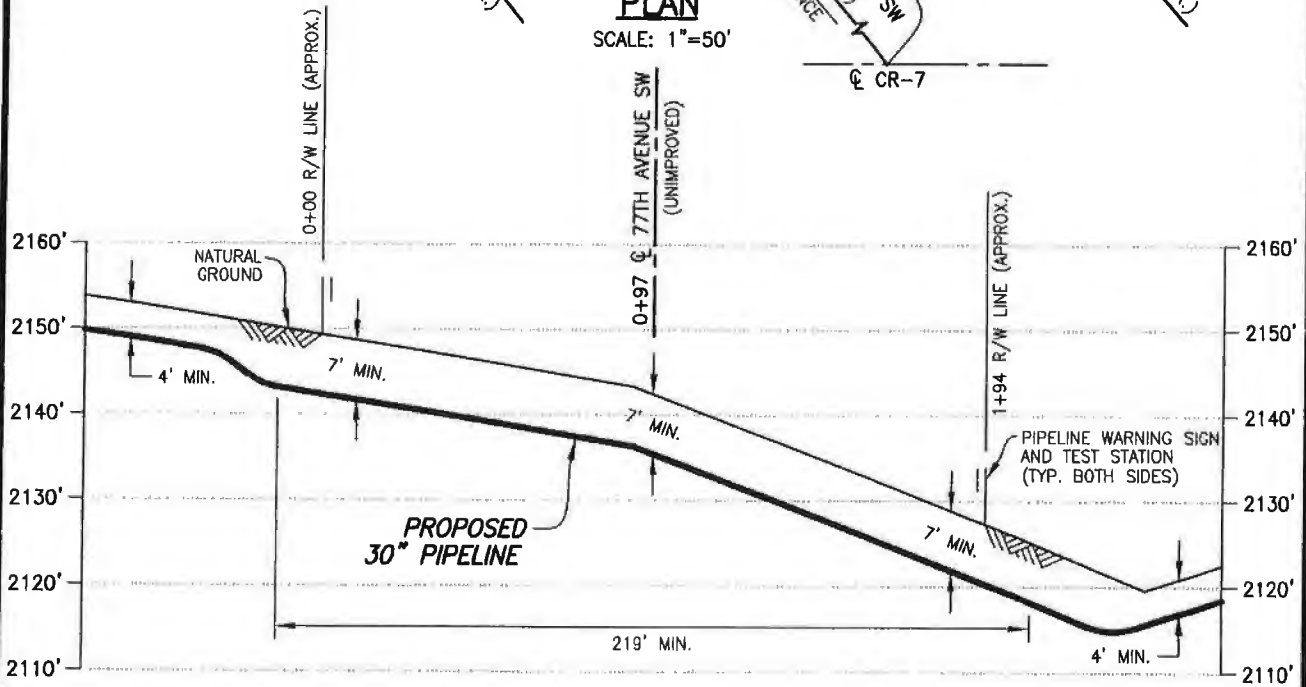
ND-ME-003.000  
ROBERT MICHAEL BRAUN

ND-ME-002.000  
ROBERT MICHAEL BRAUN



## PLAN

SCALE: 1"=50'



## PROFILE

SCALE: 1"=50' HORIZ.  
1"=20' VERT.

① X=2354447.34  
Y=17181911.69

### DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET

T.B.M.: 77TH AVENUE SW AT STA. 0+97, ELEV. 2142.45'

### PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.  
API 5LX-70 HSAW  
COATING: 14-16 MILS FBE  
SERVICE: CRUDE OIL  
INSTALLATION: OPEN CUT  
MIN TEST PRESSURE: 1,800 PSIG  
MOP: 1,440 PSIG  
MIN. YIELD STRENGTH: 70,000 PSI

FILE: R:\Projects\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MERCER COUNTY\103957-P8-ND-ME-002.910.dwg PLOT DATE: 3/3/2016 BY: HARBOLT, JASON

REV.	DATE	BY	DESCRIPTION	CHK.
A	03/02/16	JWH	ISSUED FOR USE/PERMIT	RC

PROJECT NO. 10395700



**WOOD GROUP MUSTANG, INC.**

NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING

77TH AVENUE SW

MERCER COUNTY

NORTH DAKOTA

DRAWN BY: JWH

DATE: 03/02/16

DWG. NO.

REV.

CHECKED BY: RC

DATE: 03/02/16

SCALE: AS SHOWN

APP.:

ND-ME-002.910

A

Approved  
8/2/16  
MERCER COUNTY

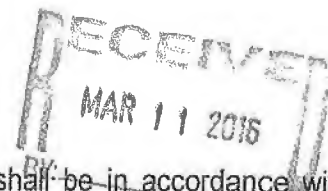
MERCER COUNTY HIGHWAY DEPARTMENT DRIVE PERMIT

Permit No. 062(16) & 063(16)

APPLICANT <u>DAKOTA ACCESS, LLC</u>	ADDRESS <u>1300 MAIN STREET</u>	
CITY <u>Houston</u>	STATE <u>TX</u>	ZIP <u>77002</u>

The Applicant requests permission to construct 2 <sup>Amount</sup> ~~private~~ <sup>Temporary</sup> ~~commercial~~ drive(s) on the County roadway right of way along the N/S <sub>direction</sub> side of County route # 7, approx. 1087' E <sub>location</sub>, from 77 Ave SW. (CR #7) <sub>Town, Highway, Junction</sub> described as follows:

(Description of proposed work on county right of way and type of business served)  
Temporary accesses for construction of a 30" crude oil pipeline.



Applicant agrees that any permit issued and any entrance built or work done shall be in accordance with plans attached hereto and made a part hereof, and Permit Specifications printed on the reverse side of this sheet. If the applicant fails to construct the drive to the specified dimensions, including the proper culvert length and inslopes, the Department of Transportation, hereinafter referred to as NDDOT, will either cancel this permit and remove the drive or make the necessary corrections and the Applicant will reimburse NDDOT for such work.

To be signed by Owner; Partner; Corp. Pres., Vice Pres., or other authorized Corp. Officer. (If signed by other authorized Corp. Officer, please attach copy of Power of Attorney or other documentation showing authority to sign.)

MERCER COUNTY HIGHWAY DEPARTMENT

APPLICANT:

Ken J. Miller

NAME (TYPE OR PRINT)  
ROBERT ROSE

COUNTY ENGINEER (TYPE OR PRINT)  
Terry Mull

SIGNATURE  
[Signature]

SIGNATURE  
06 April 16

TITLE  
Vice President, Land and Right of Way

DATE  
1/20/16

Construction to be completed by: Spring 2016, 2016

Permit Granted: 06 April, 2016



Sketch

WD-ME-004900  
CR #7

# Utility Occupancy Application and Permit

Permit # 1593(16)

## Applicant Information:

DAKOTA ACCESS, LLC of Houston, Tx 77002  
Owner of Facility City State

1300 MAIN STREET Telephone Number  
Mailing Address

CLAIRE CANNINGHAM SR. Permits Agent 802.989.2489  
Applicant's Agent Title Telephone Number

**Location of Facility:**

Mercer County Road # 7 Direction N S (E) W \_\_\_\_\_ miles from city of \_\_\_\_\_

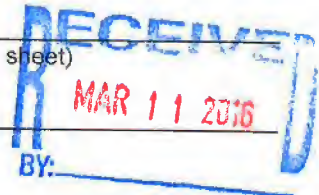
APPROX. OF 1087' miles from Junction Mercer County Road # 77 AVESW (CR #7)

Section(s) 32 & 5 Township 144/143 N Range 90 W

## Type of Facility:

30" CRUDE OIL pipeline  
Description of proposed facility (include drawings/sketches/staking sheet)

BORE  
Description of proposed method of installation



Size of Facility <u>1440 PSIG</u> Pipeline Pressure	Number of Cables <u>N/A</u> Size of Casing	Length of Down Guys <u>N/A</u> Length of Casing
Location of Pole(s)	Location of Appurtenances (Vents, Manholes, Valves, etc.)	Location-Others

**Terms & Conditions:** Installation and method of said facilities on highway right of way shall be subject to the following terms & conditions; and the installation & maintenance provisions, attached hereto and made a part hereof.

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- F. Containment of Weeds until permanent grass has been established.
- G. Additional installation & maintenance requirements are as follows (if applicable):

H. Installation shall be completed on or before MAY 2017

2/11/16  
Date

[Signature]  
Applicant Signature

**Vice President, Land and Right of Way**

Applicant is hereby granted permission to install & maintain the facilities applied for, as shown on the plans attached hereto & made a part hereof.

Approved by Mercer County Board of Commissioners/Road Superintendent this 06 day of April 2016

[Signature]  
Road Superintendent

[Signature]  
Chairman, Mercer County Commission

ND-ME-004.900  
CR #7

Longitudinal:

**Location #** \_\_\_\_\_  
Morcer CR Highway # 7 Lanes of Traffic 2 4  
Direction N S E W \_\_\_\_\_ feet from mile marker \_\_\_\_\_  
Direction N S E W \_\_\_\_\_ miles from city of \_\_\_\_\_  
or 1087' miles from junction highway # 77 AVE SW (CR #7)

**Location #** \_\_\_\_\_  
\_\_\_\_\_ Highway # \_\_\_\_\_ Lanes of Traffic 2 4  
Direction N S E W \_\_\_\_\_ feet from mile marker \_\_\_\_\_  
Direction N S E W \_\_\_\_\_ miles from city of \_\_\_\_\_  
or \_\_\_\_\_ miles from junction highway # \_\_\_\_\_

**Location #** \_\_\_\_\_  
\_\_\_\_\_ Highway # \_\_\_\_\_ Lanes of Traffic 2 4  
Direction N S E W \_\_\_\_\_ feet from mile marker \_\_\_\_\_  
Direction N S E W \_\_\_\_\_ miles from city of \_\_\_\_\_  
or \_\_\_\_\_ miles from junction highway # \_\_\_\_\_

**Location #** \_\_\_\_\_  
\_\_\_\_\_ Highway # \_\_\_\_\_ Lanes of Traffic 2 4  
Direction N S E W \_\_\_\_\_ feet from mile marker \_\_\_\_\_  
Direction N S E W \_\_\_\_\_ miles from city of \_\_\_\_\_  
or \_\_\_\_\_ miles from junction highway # \_\_\_\_\_

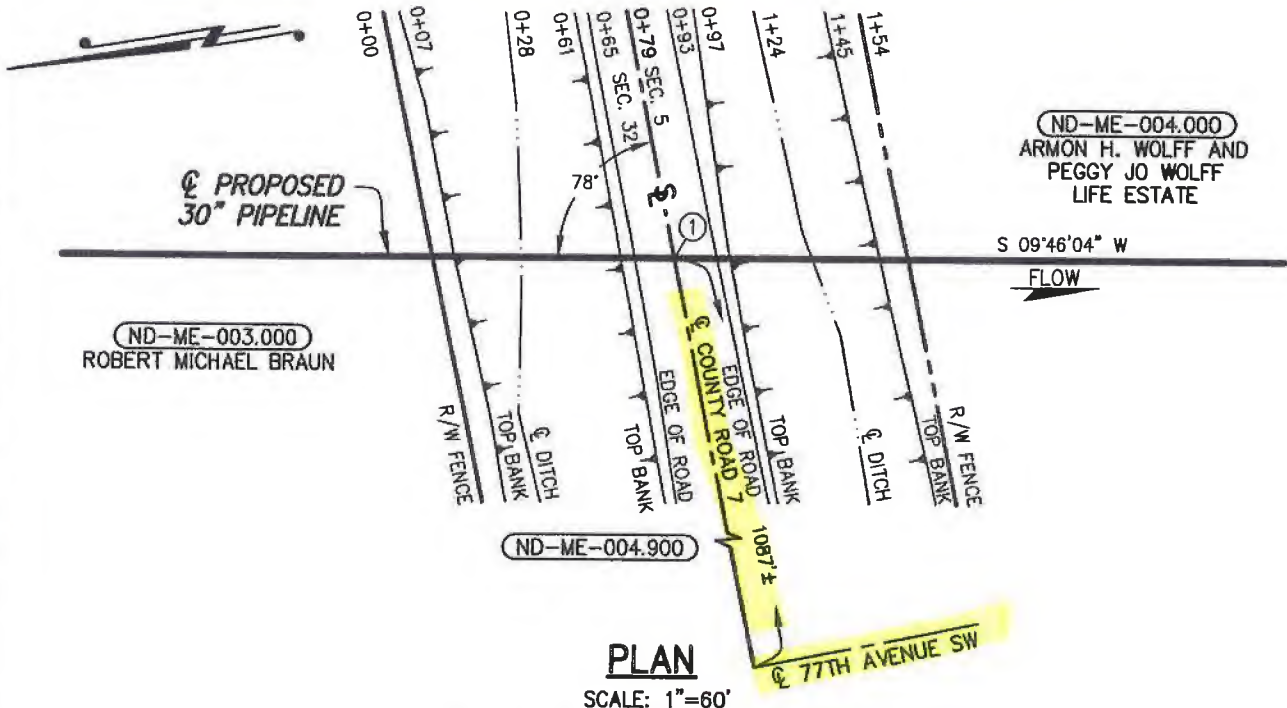
**Interstate Highways** (applicant's description of the proposed method of ingress and egress to each work location).

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

ND-ME-004.900  
CR # 7

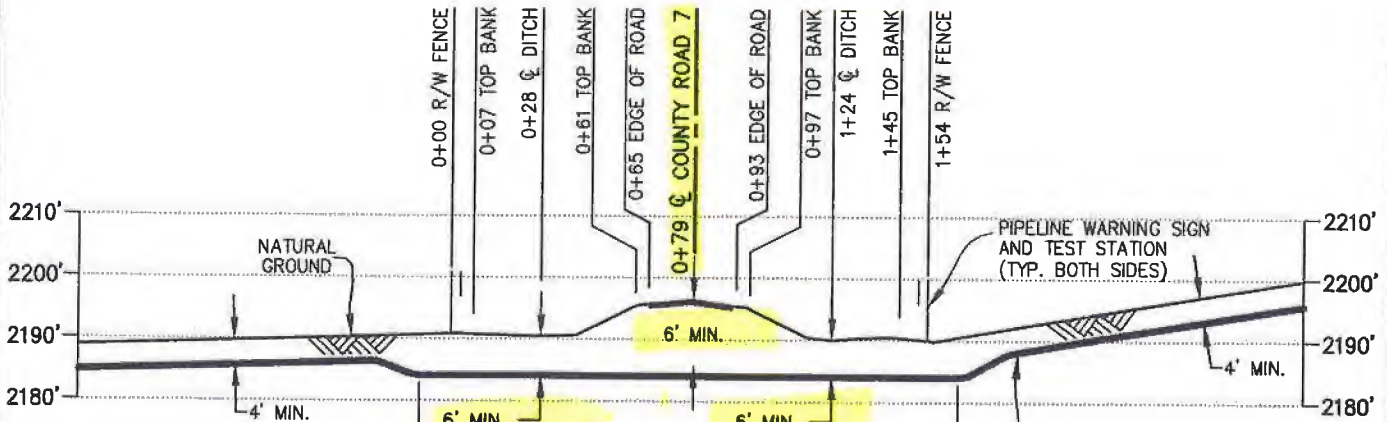
# MERCER COUNTY, NORTH DAKOTA

SECTIONS 32 & 5 TOWNSHIPS 144 & 143 NORTH, RANGE 90 WEST



**PLAN**

SCALE: 1"=60'



**PROFILE**

SCALE: 1"=60' HORIZ.  
1"=30' VERT.

**PROPOSED 30" PIPELINE**

**DATUM:**

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET  
T.B.M.:  $\odot$  COUNTY ROAD 7 AT STA. 0+79, ELEV. 2196.36'

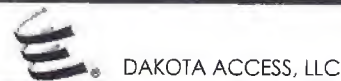
**PIPE SPECIFICATIONS**  
PIPE 30" O.D. x 0.625" W.T.  
API 5LX-70 HSAW  
COATING: 14-16 MILS FBE  
W/40 MILS ARO  
SERVICE: CRUDE OIL  
INSTALLATION: BORE  
MIN. TEST PRESSURE: 1,800 PSIG  
MOP: 1,440 PSIG  
MIN. YIELD STRENGTH: 70,000 PSI

REV.	DATE	BY	DESCRIPTION	CHK.
D	10/27/15	JTM	ISSUED FOR USE/PERMIT	RC
C	09/03/15	RG	ISSUED FOR USE/PERMIT	RC
B	03/02/15	OP	ISSUED FOR USE/PERMIT	RC
A	12/22/14	JMH	ISSUED FOR REVIEW	

PROJECT NO. 10395700



MERCER COUNTY		NORTH DAKOTA	
DRAWN BY: OP	DATE: 12/02/14	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-ME-004.900	D
SCALE: AS SHOWN	APP.:		



FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MERCER COUNTY\103957-ND-ME-004.900.dwg PLOT DATE: 10/27/2015 BY: MADAMBA, JOEY



# Utility Occupancy Application and Permit

Permit # 1594 (16)

## Applicant Information:

DAKOTA ACCESS LLC of Houston, Tx 77002  
Owner of Facility City State

1300 MAIN STREET Telephone Number  
Mailing Address

Laure Cunningham Sr. Permits Agent 802.989.2489  
Applicant's Agent Title Telephone Number

## Location of Facility:

Mercer County Road # 135 ST SW Direction N S E W miles from city of \_\_\_\_\_

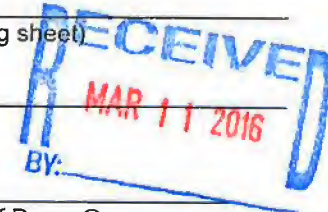
or 430' miles from Junction Mercer County Road # 7

Section(s) 5 & 8 Township 143 N Range 90W

## Type of Facility:

30" CRUDE OIL PIPELINE  
Description of proposed facility (include drawings/sketches/staking sheet)

OPEN CUT  
Description of proposed method of installation



Size of Facility <u>1440 PSIG</u> Pipeline Pressure	Number of Cables <u>N/A</u> Size of Casing	Length of Down Guys <u>N/A</u> Length of Casing
Location of Pole(s)	Location of Appurtenances (Vents, Manholes, Valves, etc.)	Location-Others

**Terms & Conditions:** Installation and method of said facilities on highway right of way shall be subject to the following terms & conditions; and the installation & maintenance provisions, attached hereto and made a part hereof.

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- G. Containment of Weeds until permanent grass has been established.
- H. Additional installation & maintenance requirements are as follows (if applicable):

H. Installation shall be completed on or before MAY 2017  
2/11/16 Date  
[Signature] Vice President, Land and Right of Way  
Applicant Signature

Applicant is hereby granted permission to install & maintain the facilities applied for, as shown on the plans attached hereto & made a part hereof.

Approved by Mercer County Board of Commissioners/Road Superintendent this 06 day of April 2016  
[Signature] Road Superintendent  
[Signature] Chairman Mercer County Commission

ND-ME-004.910  
13 St SW

Longitudinal:

**Location #** \_\_\_\_\_

Merces Co. Highway # 13 St. SW Lanes of Traffic 2 ~~4~~ Section Line

Direction N S E W \_\_\_\_\_ feet from mile marker \_\_\_\_\_

Direction N S E W \_\_\_\_\_ miles from city of \_\_\_\_\_

or 430' miles from junction highway # CR # 7

**Location #** \_\_\_\_\_

\_\_\_\_\_ Highway # \_\_\_\_\_ Lanes of Traffic 2 4

Direction N S E W \_\_\_\_\_ feet from mile marker \_\_\_\_\_

Direction N S E W \_\_\_\_\_ miles from city of \_\_\_\_\_

or \_\_\_\_\_ miles from junction highway # \_\_\_\_\_

**Location #** \_\_\_\_\_

\_\_\_\_\_ Highway # \_\_\_\_\_ Lanes of Traffic 2 4

Direction N S E W \_\_\_\_\_ feet from mile marker \_\_\_\_\_

Direction N S E W \_\_\_\_\_ miles from city of \_\_\_\_\_

or \_\_\_\_\_ miles from junction highway # \_\_\_\_\_

**Location #** \_\_\_\_\_

\_\_\_\_\_ Highway # \_\_\_\_\_ Lanes of Traffic 2 4

Direction N S E W \_\_\_\_\_ feet from mile marker \_\_\_\_\_

Direction N S E W \_\_\_\_\_ miles from city of \_\_\_\_\_

or \_\_\_\_\_ miles from junction highway # \_\_\_\_\_

**Interstate Highways** (applicant's description of the proposed method of ingress and egress to each work location).

\_\_\_\_\_

\_\_\_\_\_

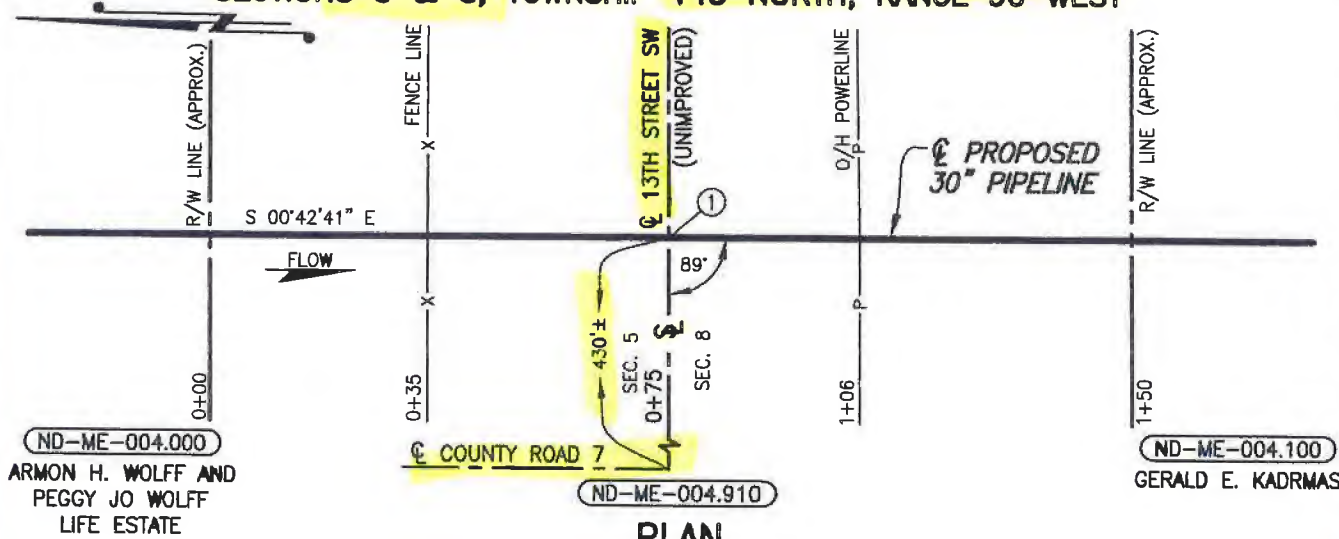
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\_\_\_\_\_

ND-ME-004.910  
13 St. SW

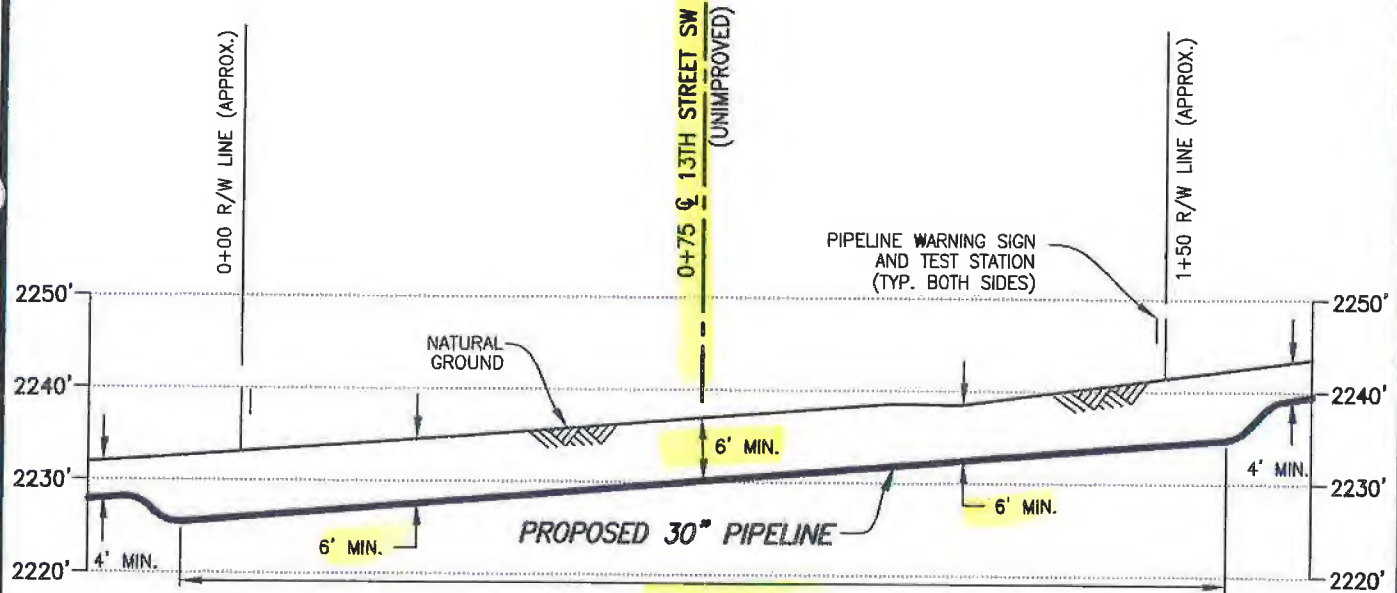
# MERCER COUNTY, NORTH DAKOTA

SECTIONS 5 & 8, TOWNSHIP 143 NORTH, RANGE 90 WEST



## PLAN

SCALE: 1"=30'



### PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.  
 API 5LX-70 HSAW  
 COATING: 14-16 MILS FBE  
 W/40 MILS ARO  
 SERVICE: CRUDE OIL  
 INSTALLATION: BORE  
 MIN. TEST PRESSURE: 1,800 PSIG  
 MOP: 1,440 PSIG  
 MIN. YIELD STRENGTH: 70,000 PSI

### PROFILE

SCALE: 1"=30' HORIZ.  
 1"=20' VERT.

① X=2355234.96  
 Y=17173253.24

### DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET  
 T.B.M.:  $\phi$  FENCE LINE AT STA. 0+35, ELEV. 2234.89'

REV.	DATE	BY	DESCRIPTION	CHK.
B	08/03/15	RG	ISSUED FOR USE/PERMIT	RC
A	03/02/15	OP	ISSUED FOR USE/PERMIT	RC



DAKOTA ACCESS, LLC

### PROPOSED 30" DAPL PIPELINE CROSSING 13TH STREET SW (UNIMPROVED)

MERCER COUNTY		NORTH DAKOTA	
DRAWN BY: PM	DATE: 01/30/15	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-ME-004.910	B
SCALE: AS SHOWN	APP.:		



**WOOD GROUP MUSTANG, INC.**  
 NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

PROJECT NO. 10395700

FILE: R:\F:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MERCER COUNTY\103957-P8-ND 04-910.dwg PLOT DATE: 9/8/2015 BY: GARCIA, REFUGIO

# Utility Occupancy Application and Permit

Permit # 1619 (16)

## Applicant Information:

DAKOTA ACCESS LLC of Houston, Tx 77002  
 Owner of Facility City State

1300 MAIN STREET  
 Mailing Address Telephone Number

Claire Cunningham SR. Permits Agent 802.989.2489  
 Applicant's Agent Title Telephone Number

Mercer County Road # 76th Ave S Direction N(S)E W \_\_\_\_\_ miles from city of \_\_\_\_\_  
 or 1610' miles from Junction Mercer County Road # 13th St SW  
 Section(s) 8 & 9 Township 143 Range 90

## Type of Facility:

**RECEIVED**  
**MAR 11 2016**

30" CRUDE OIL PIPELINE  
 Description of proposed facility (include drawings/sketches/staking sheet)

OPEN CUT  
 Description of proposed method of installation

BY: \_\_\_\_\_

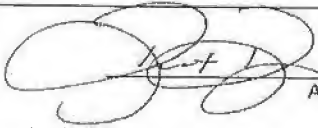
Size of Facility <u>1440 PSEG</u>	Number of Cables <u>N/A</u>	Length of Down Guys <u>N/A</u>
Pipeline Pressure	Size of Casing	Length of Casing
Location of Pole(s)	Location of Appurtenances (Vents, Manholes, Valves, etc.)	Location-Others

## Terms & Conditions:

Installation and method of said facilities on highway right of way shall be subject to the following terms & conditions; and the installation & maintenance provisions, attached hereto and made a part hereof.

- A. Installation of said facility shall be done in a manner satisfactory to the Mercer County Road Superintendent.
- B. Applicant shall notify the Mercer County Road Superintendent 48 hours prior to maintaining, relocating, or removal of said facilities. All disturbed areas shall be restored to their original condition in a manner satisfactory to the Mercer County Road Superintendent.
- C. Mercer County shall not be liable for damage to said facilities resulting from reconstruction or maintenance of the highway. Applicant shall hold Mercer County and any of its employees harmless for injury to persons or damage to property resulting from the location of said facilities on highway right of way.
- D. Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over, or under highway right of way; which may be damaged as a result of the installation & maintenance of said facilities on highway right of way.
- E. Applicant shall remove said facilities from highway right of way or shall relocate or adjust said facilities at its sole cost & expense when they are requested to do so by Mercer County, which shall be completed as soon thereafter as is practicable.
- F. Containment of Weeds until permanent grass has been established.
- G. Additional installation & maintenance requirements are as follows (if applicable):
- H. Installation shall be completed on or before \_\_\_\_\_

2/11/16  
Date

  
 Vice President, Land and Right of Way  
 Applicant Signature

Applicant is hereby granted permission to install & maintain the facilities applied for, as shown on the plans attached hereto & made a part hereof.

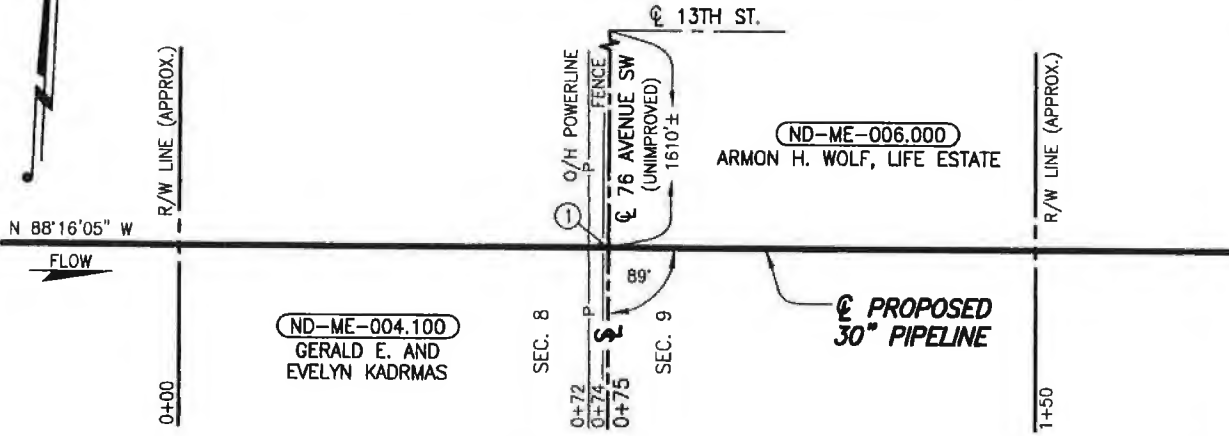
Approved by Mercer County Board of Commissioners/Road Superintendent this 06 day of April 20 16.

Key Muth [Signature]  
 Road Superintendent Chairman, Mercer County Commission

1111-1111 111 111 111 111 111

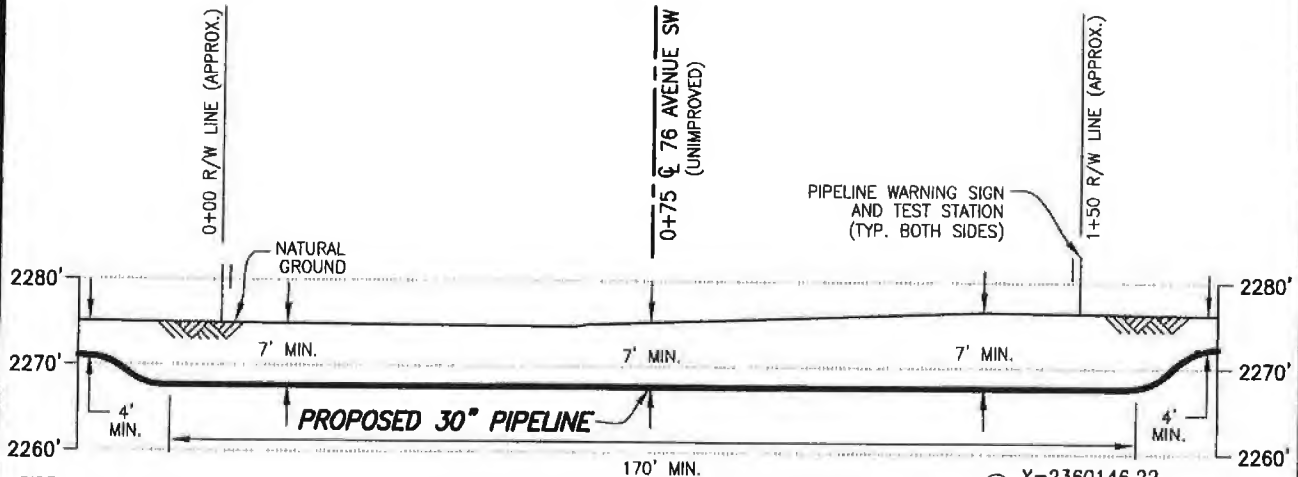
# MERCER COUNTY, NORTH DAKOTA

## SECTIONS 8 & 9 TOWNSHIPS 143 NORTH, RANGE 90 WEST



ND-ME-004.100.900

**PLAN**  
SCALE: 1"=30'



**PROFILE**  
SCALE: 1"=30' HORIZ.  
1"=20' VERT.

① X=2360146.22  
Y=17171756.02

**DATUM:**  
ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET  
T.B.M.:  $\odot$  76 AVENUE SW AT STA. 0+75, ELEV. 2275.19'

**PIPE SPECIFICATIONS**  
PIPE 30" O.D. x 0.625" W.T.  
API 5LX-70 HSAW  
COATING: 14-16 MILS FBE  
SERVICE: CRUDE OIL  
INSTALLATION: OPEN CUT  
MIN TEST PRESSURE: 1,800 PSIG  
MOP: 1,440 PSIG  
MIN. YIELD STRENGTH: 70,000 PSI

FILE: R:\Projects\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MERCER COUNTY\103957-P8-ND-ME-004.100.900.dwg PLOT DATE: 3/3/2016 BY: MADAMBA, JOEY

REV.	DATE	BY	DESCRIPTION	CHK.
A	03/02/16	SMR	ISSEUD FOR USE/PERMIT	RC

PROJECT NO. **10395700**



**WOOD GROUP MUSTANG, INC.**  
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

### PROPOSED 30" DAPL PIPELINE CROSSING 76 AVENUE SW

MERCER COUNTY		NORTH DAKOTA	
DRAWN BY: SMR	DATE: 03/02/16	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/16	ND-ME-004.100.900	A
SCALE: AS SHOWN	APP.:		

Utility Occupancy Application and Permit

Permit # 1620 (16)

Applicant Information:

Owner of Facility: DAKOTA ACCESS LLC of Houston TX 77002

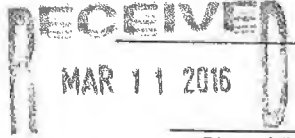
Mailing Address: 1300 MAIN STREET Telephone Number:

Applicant's Agent: Claire Cunningham SR. Permits Agent Title Telephone Number: 802-989-2489

Mercer County Road # 75 AVES SW Direction N(S)E W miles from city of or 1630' miles from Junction Mercer County Road # 13 St. SW Section(s) 9 & 10 Township 143 Range 90

Type of Facility:

30" CRUDE OIL PIPELINE Description of proposed facility (include drawings/sketches/staking sheet)



OPEN CUT Description of proposed method of installation

BY: Size of Facility: 1440 PSIG Pipeline Pressure Number of Cables: N/A Size of Casing Length of Down Guys: N/A Length of Casing Location of Pole(s) Location of Appurtenances (Vents, Manholes, Valves, etc.) Location-Others

Terms & Conditions: Installation and method of said facilities on highway right of way shall be subject to the following terms & conditions; and the installation & maintenance provisions, attached hereto and made a part hereof.

- A. Installation of said facility shall be done in a manner satisfactory to the Mercer County Road Superintendent.
B. Applicant shall notify the Mercer County Road Superintendent 48 hours prior to maintaining, relocating, or removal of said facilities.
C. Mercer County shall not be liable for damage to said facilities resulting from reconstruction or maintenance of the highway.
D. Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over, or under highway right of way.
E. Applicant shall remove said facilities from highway right of way or shall relocate or adjust said facilities at its sole cost & expense when they are requested to do so by Mercer County.
F. Containment of Weeds until permanent grass has been established.
G. Additional installation & maintenance requirements are as follows (if applicable):
H. Installation shall be completed on or before

Date: 2/11/16

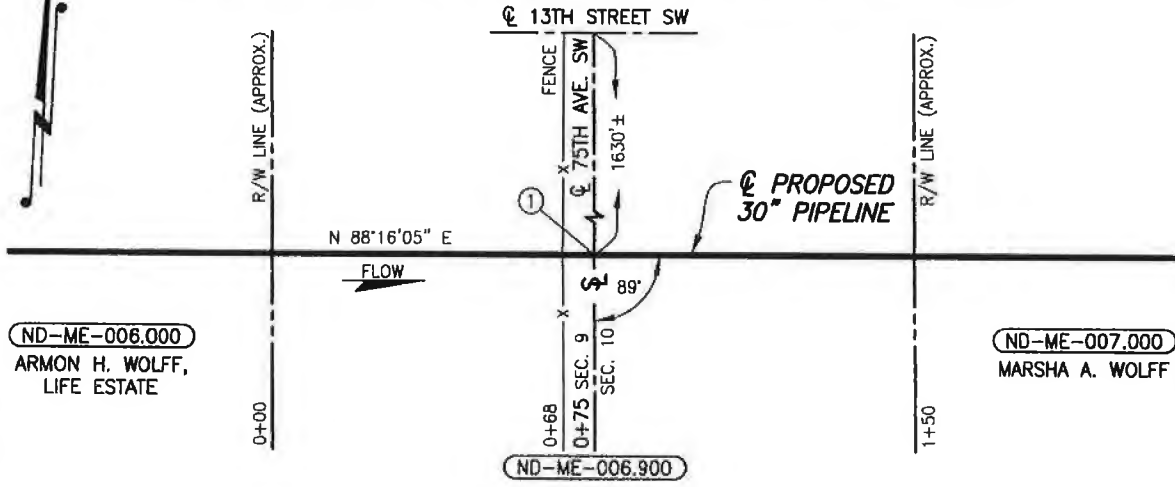
Vice President, Land and Right of Way Applicant Signature

Applicant is hereby granted permission to install & maintain the facilities applied for, as shown on the plans attached hereto & made a part hereof.

Approved by Mercer County Board of Commissioners/Road Superintendent this 06 day of April 2016. Road Superintendent: Kay Miller Chairman, Mercer County Commission

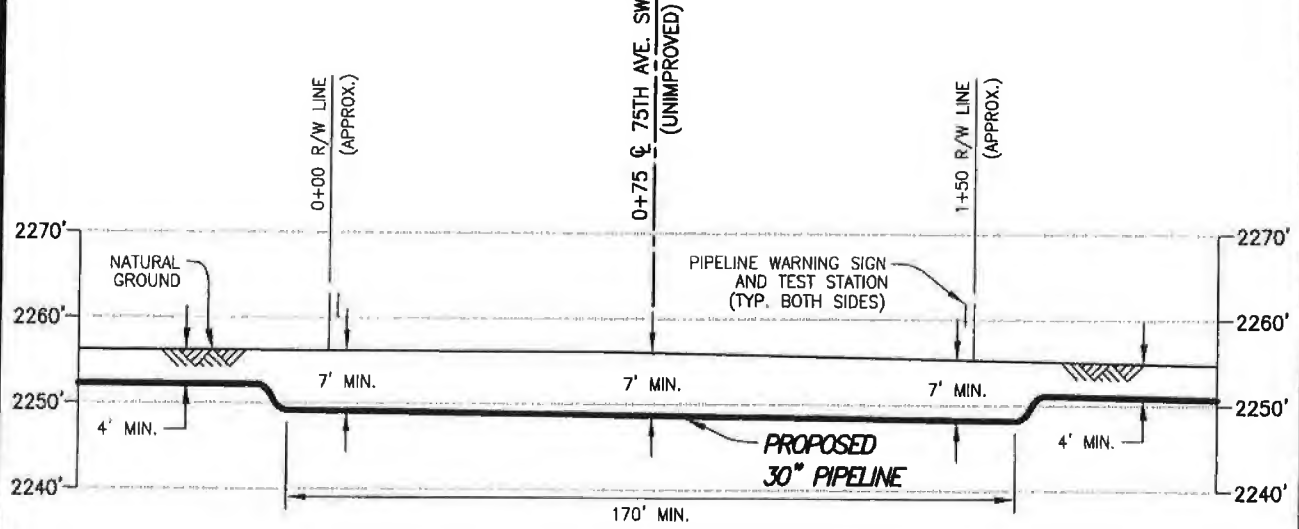
# MERCER COUNTY, NORTH DAKOTA

SECTIONS 9 & 10, TOWNSHIP 143 NORTH, RANGE 90 WEST



## PLAN

SCALE: 1"=40'



## PROFILE

SCALE: 1"=40' HORIZ.  
1"=20' VERT.

① X=2365461.98  
Y=17171916.77

**DATUM:**  
ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET  
T.B.M.:  $\odot$  75TH AVENUE SW AT STA. 0+75, ELEV. 2256.05'

### PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.  
API 5LX-70 HSAW  
COATING: 14-16 MILS FBE  
SERVICE: CRUDE OIL  
INSTALLATION: OPEN CUT  
MIN. TEST PRESSURE: 1,800 PSIG  
MOP: 1,440 PSIG  
MIN. YIELD STRENGTH: 70,000 PSI

FILE: R:\Projects\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MERCER COUNTY\103957-P8-ND-ME-006.900.dwg PLOT DATE: 3/3/2016 BY: MADAMBA, JOEY

REV.	DATE	BY	DESCRIPTION	CHK.
A	03/02/16	EFG	ISSUED FOR USE/PERMIT	RC

PROJECT NO. 10395700

**WOOD GROUP MUSTANG, INC.**  
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



## PROPOSED 30" DAPL PIPELINE CROSSING 75TH AVENUE SW (UNIMPROVED)

MERCER COUNTY		NORTH DAKOTA	
DRAWN BY: EFG	DATE: 03/02/16	DWG. NO.	REV.
CHECKED BY: RC	DATE:	ND-ME-006.900	A
SCALE: AS SHOWN	APP.:		

# Utility Occupancy Application and Permit

Permit # 1621 (16)

**Applicant Information:**

DAKOTA ACCESS LLC of Houston, Tx 77002  
Owner of Facility City State

1300 MAIN STREET  
Mailing Address

Clare Cunningham SR. Permits Agent 802.989.2489  
Applicant's Agent Title Telephone Number

Mercer County Road # 14 ST. SW Direction N S E (W) miles from city of \_\_\_\_\_  
 or 130' miles from Junction Mercer County Road # CR#5

Section(s) 10 & 15 Township 143 Range 90

**Type of Facility:**

30" CRUDE OIL PIPELINE  
Description of proposed facility (include drawings/sketches/staking sheet)

OPEN CUT  
Description of proposed method of installation

RECEIVED  
 MAR 11 2016  
 BY: \_\_\_\_\_

Size of Facility	Number of Cables	Length of Down Guys
<u>1440 PSIG</u>	<u>N/A</u>	<u>N/A</u>
Pipeline Pressure	Size of Casing	Length of Casing
Location of Pole(s)	Location of Appurtenances <small>(Vents, Manholes, Valves, etc.)</small>	Location-Others

**Terms & Conditions:** Installation and method of said facilities on highway right of way shall be subject to the following terms & conditions; and the installation & maintenance provisions, attached hereto and made a part hereof.

- A. Installation of said facility shall be done in a manner satisfactory to the Mercer County Road Superintendent.
- B. Applicant shall notify the Mercer County Road Superintendent 48 hours prior to maintaining, relocating, or removal of said facilities. All disturbed areas shall be restored to their original condition in a manner satisfactory to the Mercer County Road Superintendent.
- C. Mercer County shall not be liable for damage to said facilities resulting from reconstruction or maintenance of the highway. Applicant shall hold Mercer County and any of its employees harmless for injury to persons or damage to property resulting from the location of said facilities on highway right of way.
- D. Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over, or under highway right of way; which may be damaged as a result of the installation & maintenance of said facilities on highway right of way.
- E. Applicant shall remove said facilities from highway right of way or shall relocate or adjust said facilities at its sole cost & expense when they are requested to do so by Mercer County, which shall be completed as soon thereafter as is practicable.
- F. Containment of Weeds until permanent grass has been established.
- G. Additional installation & maintenance requirements are as follows (if applicable):
- H. Installation shall be completed on or before \_\_\_\_\_

2/11/16  Vice President, Land and Right of Way  
Date Applicant Signature

Applicant is hereby granted permission to install & maintain the facilities applied for, as shown on the plans attached hereto & made a part hereof.

Approved by Mercer County Board of Commissioners/Road Superintendent this 06 day of April 2016.

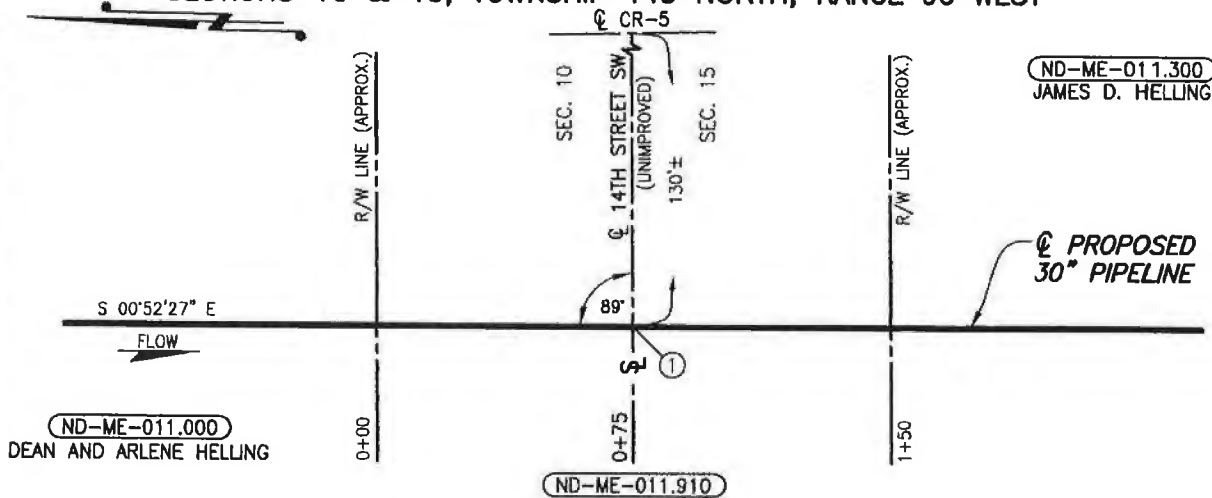
Ken Miller   
Road Superintendent Chairman, Mercer County Commission

ND-ME-011 (11) III (2011)



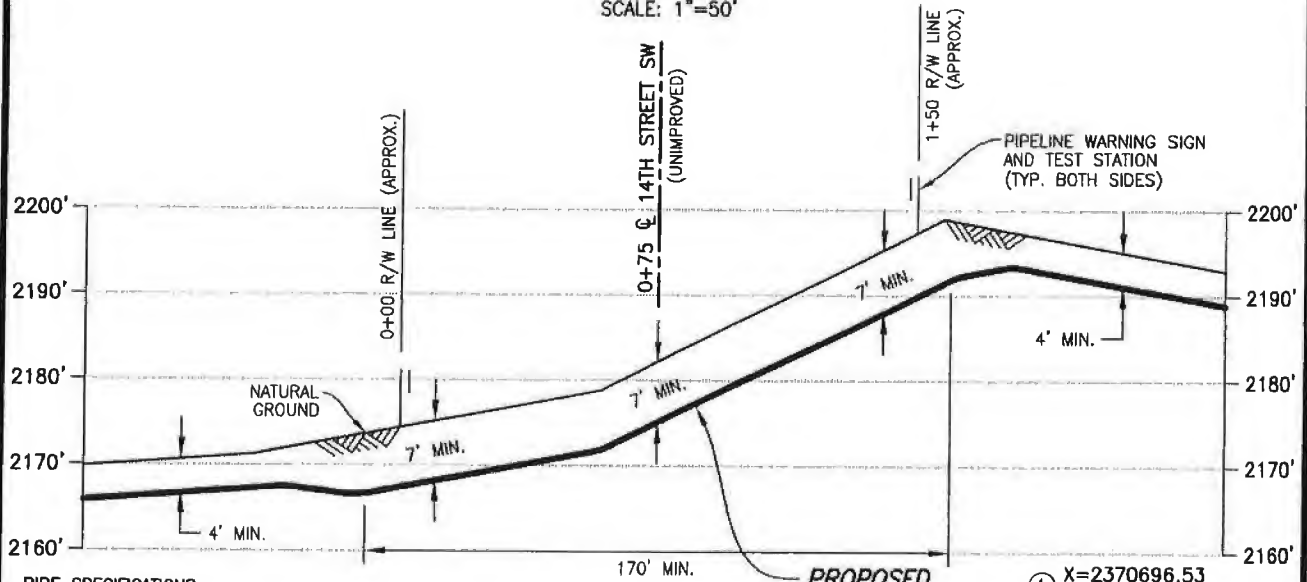
# MERCER COUNTY, NORTH DAKOTA

SECTIONS 10 & 15, TOWNSHIP 143 NORTH, RANGE 90 WEST



## PLAN

SCALE: 1"=50'



## PROFILE

SCALE: 1"=50' HORIZ.  
1"=20' VERT.

### PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.  
API 5LX-70 HSAW  
COATING: 14-16 MILS FBE  
SERVICE: CRUDE OIL  
INSTALLATION: OPEN CUT  
MIN TEST PRESSURE: 1,800 PSIG  
MOP: 1,440 PSIG  
MIN. YIELD STRENGTH: 70,000 PSI

### DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET

T.B.M.: 14TH STREET SW AT STA. 0+75, ELEV. 2181.89'

FILE: R:\Projects\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MERCER COUNTY\103957-PB-ND-ME-011.910.dwg PLOT DATE: 3/3/2016 BY: RICKS, STEVEN

A	03/02/16	JWH	ISSUED FOR USE/PERMIT	RC
REV.	DATE	BY	DESCRIPTION	CHK.

PROJECT NO. 10395700



**WOOD GROUP MUSTANG, INC.**  
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

## PROPOSED 30" DAPL PIPELINE CROSSING 14TH STREET SW

MERCER COUNTY		NORTH DAKOTA	
DRAWN BY: JWH	DATE: 03/02/16	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/16	ND-ME-011.910	A
SCALE: AS SHOWN	APP.:		

# Utility Occupancy Application and Permit

Permit # 1595 (16)

## Applicant Information:

DAKOTA ACCESS, LLC

Owner of Facility

of Houston

City

Tx 77002

State

1300 Main STREET

Mailing Address

Telephone Number

CLAIRE CANNINGHAM

Applicant's Agent

SR. Permits Agent

Title

802.989.2489

Telephone Number

LOOSE

Mercer County Road # 5 Direction N S E W miles from city of \_\_\_\_\_

approx or 128' miles from Junction Mercer County Road # 74 Ave SW Section Line

Section(s) 15 & \_\_\_\_\_ Township 143 N Range 90 W

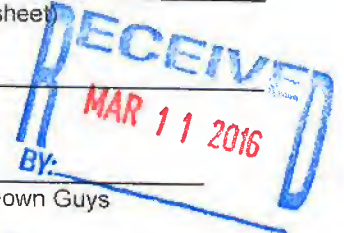
## Type of Facility:

30" CRUDE oil pipeline

Description of proposed facility (include drawings/sketches/staking sheet)

BORE

Description of proposed method of installation



Size of Facility  
1440 PSIG  
Pipeline Pressure

Number of Cables  
N/A  
Size of Casing

Length of Down Guys  
N/A  
Length of Casing

Location of Pole(s)

Location of Appurtenances  
(Vents, Manholes, Valves, etc.)

Location-Others

## Terms & Conditions:

Installation and method of said facilities on highway right of way shall be subject to the following terms & conditions; and the installation & maintenance provisions, attached hereto and made a part hereof.

- A. Installation of said facility shall be done in a manner satisfactory to the Mercer County Road Superintendent.
- B. Applicant shall notify the Mercer County Road Superintendent 48 hours prior to maintaining, relocating, or removal of said facilities. All disturbed areas shall be restored to their original condition in a manner satisfactory to the Mercer County Road Superintendent.
- C. Mercer County shall not be liable for damage to said facilities resulting from reconstruction or maintenance of the highway. Applicant shall hold Mercer County and any of its employees harmless for injury to persons or damage to property resulting from the location of said facilities on highway right of way.
- D. Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over, or under highway right of way; which may be damaged as a result of the installation & maintenance of said facilities on highway right of way.
- E. Applicant shall remove said facilities from highway right of way or shall relocate or adjust said facilities at its sole cost & expense when they are requested to do so by Mercer County, which shall be completed as soon thereafter as is practicable.
- F. Containment of Weeds until permanent grass has been established.
- G. Additional installation & maintenance requirements are as follows (if applicable):

H. Installation shall be completed on or before EBE May 2017

2/11/16  
Date

[Signature]  
Vice President, Land and Right of Way  
Applicant Signature

Applicant is hereby granted permission to install & maintain the facilities applied for, as shown on the plans attached hereto & made a part hereof.

Approved by Mercer County Board of Commissioners/Road Superintendent this 06 day of April 20 16

[Signature]  
Road Superintendent

[Signature]  
Chairman, Mercer County Commission

ND-ME-011.300.900  
CR # 5

Longitudinal:

**Location #** \_\_\_\_\_  
Merger Co Highway # 5 Lanes of Traffic (2) 4  
Direction N S E (W) \_\_\_\_\_ feet from mile marker \_\_\_\_\_  
Direction N S E W \_\_\_\_\_ miles from city of \_\_\_\_\_  
or Approx 128' miles from junction highway # 74 Ave SW Section Line

**Location #** \_\_\_\_\_  
\_\_\_\_\_ Highway # \_\_\_\_\_ Lanes of Traffic 2 4  
Direction N S E W \_\_\_\_\_ feet from mile marker \_\_\_\_\_  
Direction N S E W \_\_\_\_\_ miles from city of \_\_\_\_\_  
or \_\_\_\_\_ miles from junction highway # \_\_\_\_\_

**Location #** \_\_\_\_\_  
\_\_\_\_\_ Highway # \_\_\_\_\_ Lanes of Traffic 2 4  
Direction N S E W \_\_\_\_\_ feet from mile marker \_\_\_\_\_  
Direction N S E W \_\_\_\_\_ miles from city of \_\_\_\_\_  
or \_\_\_\_\_ miles from junction highway # \_\_\_\_\_

**Location #** \_\_\_\_\_  
\_\_\_\_\_ Highway # \_\_\_\_\_ Lanes of Traffic 2 4  
Direction N S E W \_\_\_\_\_ feet from mile marker \_\_\_\_\_  
Direction N S E W \_\_\_\_\_ miles from city of \_\_\_\_\_  
or \_\_\_\_\_ miles from junction highway # \_\_\_\_\_

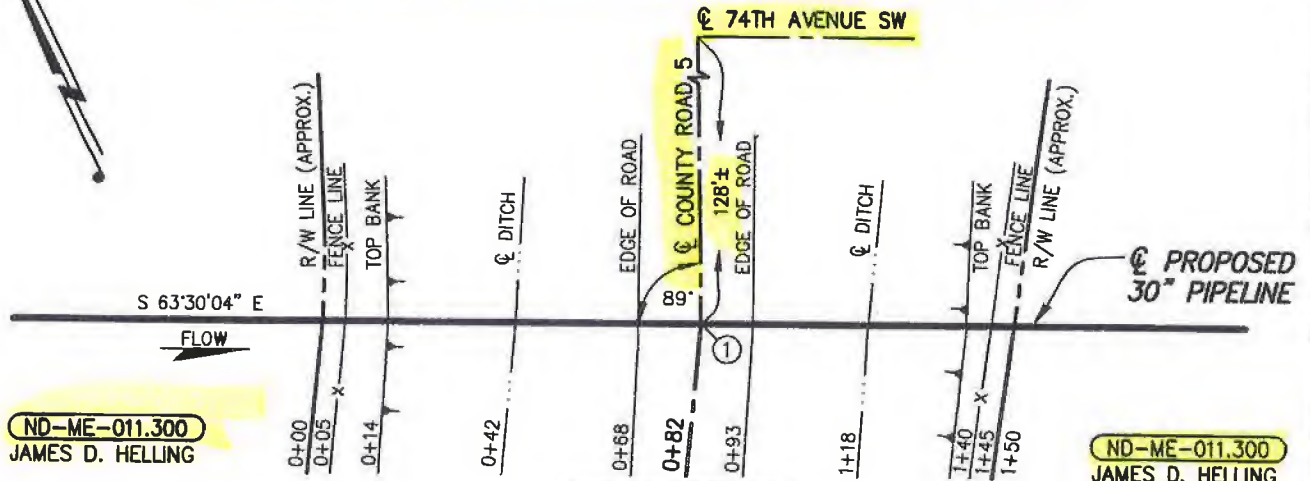
**Interstate Highways** (applicant's description of the proposed method of ingress and egress to each work location).

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

ND-ME-011.300.900  
CR #5

# MERCER COUNTY, NORTH DAKOTA

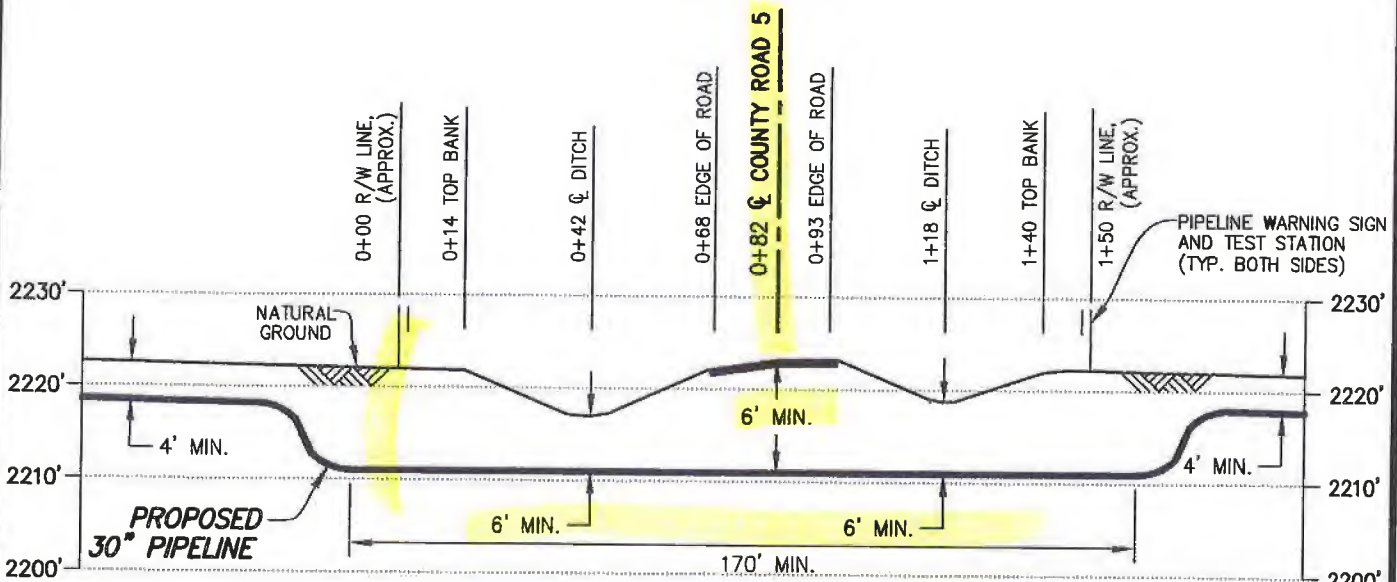
## SECTION 15, TOWNSHIP 143 NORTH, RANGE 90 WEST



ND-ME-011.300.900

### PLAN

SCALE: 1" = 40'



### PROFILE

SCALE: 1" = 40' HORIZ.  
1" = 20' VERT.

① X=2370801.87  
Y=17165307.68

**DATUM:**  
ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET

T.B.M.: COUNTY ROAD 5 AT STA. 0+82, ELEV. 2223.16'

**PIPE SPECIFICATIONS**  
PIPE 30" O.D. x 0.625" W.T.  
API 5LX-70 HSAW  
COATING: 14-16 MILS FBE  
W/40 MILS ARO  
SERVICE: CRUDE OIL  
INSTALLATION: BORE  
MIN. TEST PRESSURE: 1,800 PSIG  
MOP: 1,440 PSIG  
MIN. YIELD STRENGTH: 70,000 PSI

REV.	DATE	BY	DESCRIPTION	CHK.
D	10/27/15	JTM	ISSUED FOR USE/PERMIT	RC
C	09/03/15	RG	ISSUED FOR USE/PERMIT	RC
B	03/02/15	OP	ISSUED FOR USE/PERMIT	RC
A	12/22/14	JTM	ISSUED FOR REVIEW	



DAKOTA ACCESS, LLC

### PROPOSED 30" DAPL PIPELINE CROSSING COUNTY ROAD 5 (74TH AVENUE SW)

MERCER COUNTY NORTH DAKOTA

DRAWN BY: JTM	DATE: 12/09/14	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-ME-011.300.900	D
SCALE: AS SHOWN	APP.:		

PROJECT NO. 10395700

**WOOD GROUP MUSTANG, INC.**  
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

FILE: R:\V 103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MERCER COUNTY\103957-P8-NC 11.300.900.dwg PLOT DATE: 10/27/2015 BY: MADAMBA, JOEY

Approved  
Permit  
MERCER

MERCER COUNTY HIGHWAY DEPARTMENT DRIVE PERMIT

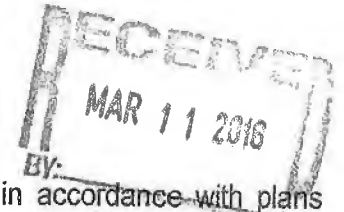
Permit No. 064(16) & 065(16)

APPLICANT <u>DAKOTA ACCESS, LLC</u>	ADDRESS <u>1300 MAIN STREET</u>	
CITY <u>Houston</u>	STATE <u>TX</u>	ZIP <u>77002</u>

The Applicant requests permission to construct 2 <sup>Amount</sup> private <sup>Temp</sup> commercial drive(s) on the County roadway right of way along the W/E <sub>direction</sub> side of County route # CR 5, approx 128' <sub>location</sub> W, from 74 Ave SW Section Line <sub>Town, Highway, Junction</sub> described as follows:

(Description of proposed work on county right of way and type of business served)

Temporary Accesses for Construction of a 30" Crude oil pipeline.



Applicant agrees that any permit issued and any entrance built or work done shall be in accordance with plans attached hereto and made a part hereof, and Permit Specifications printed on the reverse side of this sheet. If the applicant fails to construct the drive to the specified dimensions, including the proper culvert length and inslopes, the Department of Transportation, hereinafter referred to as NDDOT, will either cancel this permit and remove the drive or make the necessary corrections and the Applicant will reimburse NDDOT for such work.

To be signed by Owner; Partner; Corp. Pres., Vice Pres., or other authorized Corp. Officer. (If signed by other authorized Corp. Officer, please attach copy of Power of Attorney or other documentation showing authority to sign.)

MERCER COUNTY HIGHWAY DEPARTMENT

APPLICANT:

NAME (TYPE OR PRINT) <u>ROBERT ROSE</u>	COUNTY ENGINEER (TYPE OR PRINT) <u>Ken J. Miller</u>
SIGNATURE <u>[Signature]</u>	SIGNATURE <u>[Signature]</u>
TITLE <u>Vice President, Land and Right of Way</u>	DATE <u>06 April 16</u>
DATE <u>1/28/16</u>	Construction to be completed by: <u>Summer 2016</u> , 20 <u>16</u>
Permit Granted: <u>06 April</u> , 20 <u>16</u>	



WD-me-011.300.900  
CR #5

# Utility Occupancy Application and Permit

Permit # 1622 (16)

**Applicant Information:**

DAKOTA ACCESS LLC of Houston TX 77002  
Owner of Facility City State

1300 MAIN STREET  
Mailing Address Telephone Number

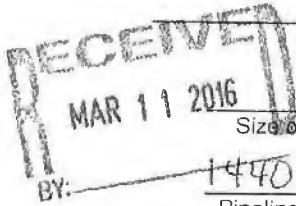
Claire Cunningham SR. Permits Agent 802-989-2489  
Applicant's Agent Title Telephone Number

Mercer County Road # 74A W SW Direction N (S) E W miles from city of \_\_\_\_\_  
 or 8500' miles from Junction Mercer County Road # 13 St SW  
 Section(s) 15 & 14 Township 143 Range 90

**Type of Facility:**

30" CRUDE OIL PIPELINE  
Description of proposed facility (include drawings/sketches/staking sheet)

OPEN CUT  
Description of proposed method of installation



<small>Size of Facility</small>	<small>Number of Cables</small>	<small>Length of Down Guys</small>
<u>1470 PSIG</u>	<u>N/A</u>	<u>N/A</u>
<small>Pipeline Pressure</small>	<small>Size of Casing</small>	<small>Length of Casing</small>
<u>1470 PSIG</u>	<u>N/A</u>	<u>N/A</u>
<small>Location of Pole(s)</small>	<small>Location of Appurtenances (Vents, Manholes, Valves, etc.)</small>	<small>Location-Others</small>

**Terms & Conditions:** Installation and method of said facilities on highway right of way shall be subject to the following terms & conditions; and the installation & maintenance provisions, attached hereto and made a part hereof.

- A. Installation of said facility shall be done in a manner satisfactory to the Mercer County Road Superintendent.
- B. Applicant shall notify the Mercer County Road Superintendent 48 hours prior to maintaining, relocating, or removal of said facilities. All disturbed areas shall be restored to their original condition in a manner satisfactory to the Mercer County Road Superintendent.
- C. Mercer County shall not be liable for damage to said facilities resulting from reconstruction or maintenance of the highway. Applicant shall hold Mercer County and any of its employees harmless for injury to persons or damage to property resulting from the location of said facilities on highway right of way.
- D. Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over, or under highway right of way; which may be damaged as a result of the installation & maintenance of said facilities on highway right of way.
- E. Applicant shall remove said facilities from highway right of way or shall relocate or adjust said facilities at its sole cost & expense when they are requested to do so by Mercer County, which shall be completed as soon thereafter as is practicable.
- F. Containment of Weeds until permanent grass has been established.
- G. Additional installation & maintenance requirements are as follows (if applicable):
- H. Installation shall be completed on or before \_\_\_\_\_

2/11/16 [Signature]  
Date Vice President, Land and Right of Way Applicant Signature

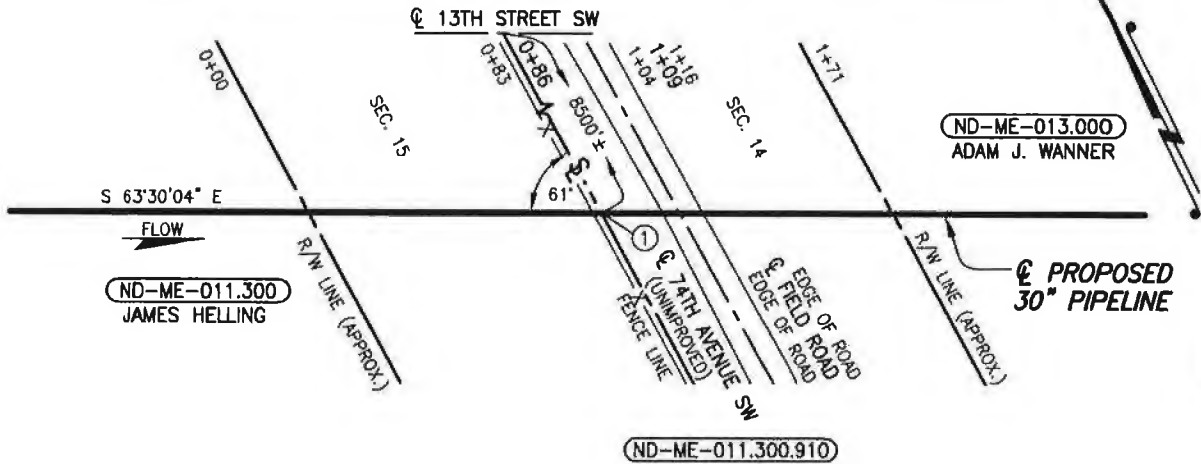
Applicant is hereby granted permission to install & maintain the facilities applied for, as shown on the plans attached hereto & made a part hereof.

Approved by Mercer County Board of Commissioners/Road Superintendent this 06 day of April 20 16  
[Signature] [Signature]  
Road Superintendent Chairman, Mercer County Commission

*[Handwritten notes at the bottom of the page]*

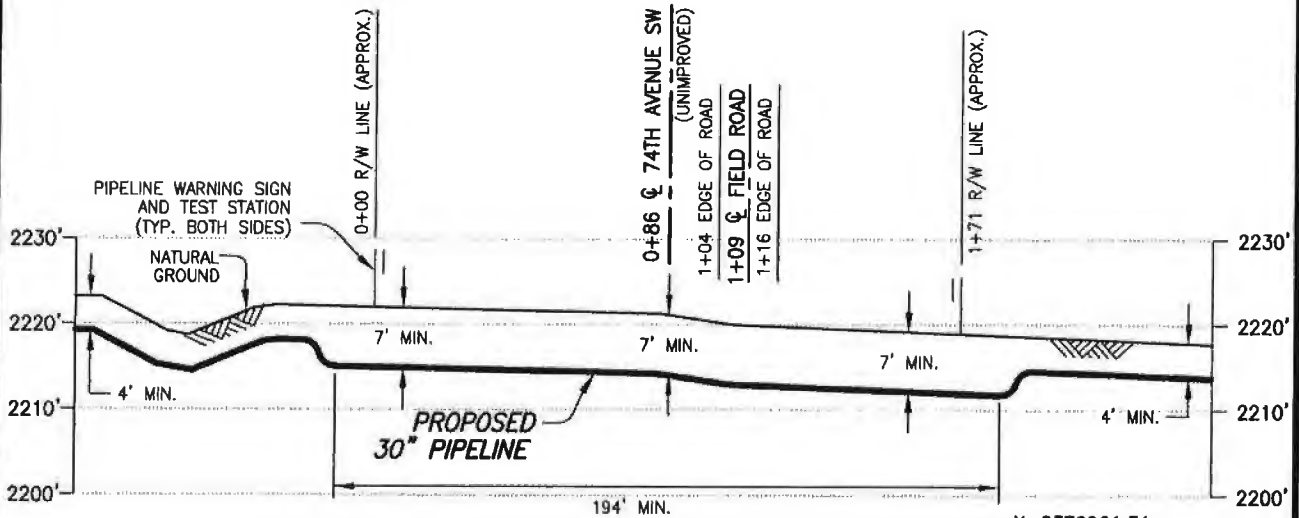
# MERCER COUNTY, NORTH DAKOTA

SECTIONS 15 & 14, TOWNSHIP 143 NORTH, RANGE 90 WEST



## PLAN

SCALE: 1"=50'



## PROFILE

SCALE: 1"=50' HORIZ.  
1"=20' VERT.

① X=2370961.31  
Y=17165228.19

### PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.  
API 5LX-70 HSAW  
COATING: 14-16 MILS FBE  
SERVICE: CRUDE OIL  
INSTALLATION: OPEN CUT  
MIN. TEST PRESSURE: 1,800 PSIG  
MOP: 1,440 PSIG  
MIN. YIELD STRENGTH: 70,000 PSI

### DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET T.B.M.:  $\odot$  FIELD ROAD AT STA. 1+09, ELEV. 2219.92'

REV.	DATE	BY	DESCRIPTION	CHK.
C	03/10/16	JMH	ISSUED FOR USE/PERMIT	RC
B	03/09/16	JTM	ISSUED FOR USE/PERMIT	RC
A	03/04/18	SMR	ISSUED FOR USE/PERMIT	RC



DAKOTA ACCESS, LLC

## PROPOSED 30" DAPL PIPELINE CROSSING 74TH AVENUE SW

PROJECT NO. 10395700

MERCER COUNTY

NORTH DAKOTA



WOOD GROUP MUSTANG, INC.

NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

DRAWN BY: JMH

DATE: 03/03/16

DWG. NO.

REV.

CHECKED BY: TC

DATE: 03/03/16

ND-ME-011.300.910

C

SCALE: AS SHOWN

APP.:

FILE: R:\Projects\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MERCER COUNTY\103957-PB-ND-ME-011.300.910.dwg PLOT DATE: 3/10/2016 BY: HARBOLT, JASON

# Utility Occupancy Application and Permit

Permit # 1623 (16)

**Applicant Information:**

DAKOTA ACCESS LLC of Houston Tx 77002  
Owner of Facility City State

1300 MAIN STREET  
Mailing Address

Carrie Cunningham SR. Permits Agent 802-989-2489  
Applicant's Agent Title Telephone Number

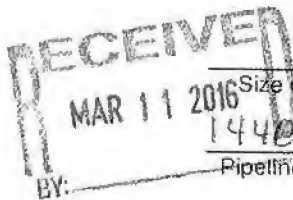
Mercer County Road # 15 ST SW Direction N S E W miles from city of CRH  
 or 4900' miles from Junction Mercer County Road # CR #5

Section(s) 14 & 23 Township 143 Range 90

**Type of Facility:**

30" CRUDE OIL PIPELINE  
Description of proposed facility (include drawings/sketches/staking sheet)

OPEN CUT  
Description of proposed method of installation



<small>Size of Facility</small>	<small>Number of Cables</small>	<small>Length of Down Guys</small>
<u>1440 PSIG</u>	<u>N/A</u>	<u>N/A</u>
<small>Pipeline Pressure</small>	<small>Size of Casing</small>	<small>Length of Casing</small>
<small>Location of Pole(s)</small>	<small>Location of Appurtenances (Vents, Manholes, Valves, etc.)</small>	<small>Location-Others</small>

**Terms & Conditions:** Installation and method of said facilities on highway right of way shall be subject to the following terms & conditions; and the installation & maintenance provisions, attached hereto and made a part hereof.

- A. Installation of said facility shall be done in a manner satisfactory to the Mercer County Road Superintendent.
- B. Applicant shall notify the Mercer County Road Superintendent 48 hours prior to maintaining, relocating, or removal of said facilities. All disturbed areas shall be restored to their original condition in a manner satisfactory to the Mercer County Road Superintendent.
- C. Mercer County shall not be liable for damage to said facilities resulting from reconstruction or maintenance of the highway. Applicant shall hold Mercer County and any of its employees harmless for injury to persons or damage to property resulting from the location of said facilities on highway right of way.
- D. Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over, or under highway right of way; which may be damaged as a result of the installation & maintenance of said facilities on highway right of way.
- E. Applicant shall remove said facilities from highway right of way or shall relocate or adjust said facilities at its sole cost & expense when they are requested to do so by Mercer County, which shall be completed as soon thereafter as is practicable.
- F. Containment of Weeds until permanent grass has been established.
- G. Additional installation & maintenance requirements are as follows (if applicable):
- H. Installation shall be completed on or before \_\_\_\_\_

2/11/16  
Date
  
Vice President, Land and Right of Way  
Applicant Signature

Applicant is hereby granted permission to install & maintain the facilities applied for, as shown on the plans attached hereto & made a part hereof.

Approved by Mercer County Board of Commissioners/Road Superintendent this 06 day of April 20 16.

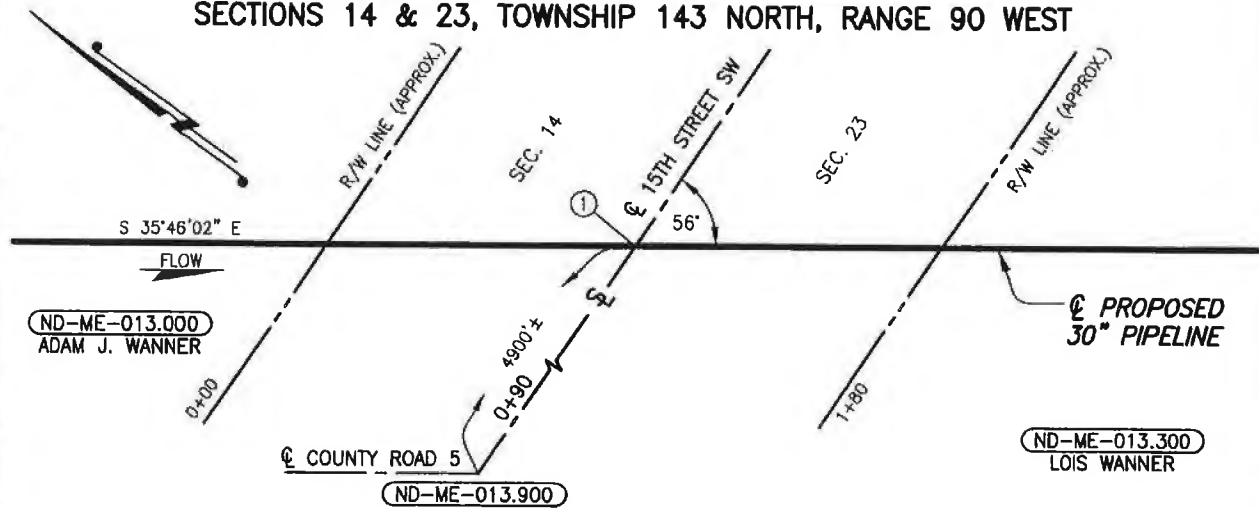
Ken J. Miller  
Road Superintendent
[Signature]  
Chairman, Mercer County Commission

ND-ME-013.900 15 ST SW



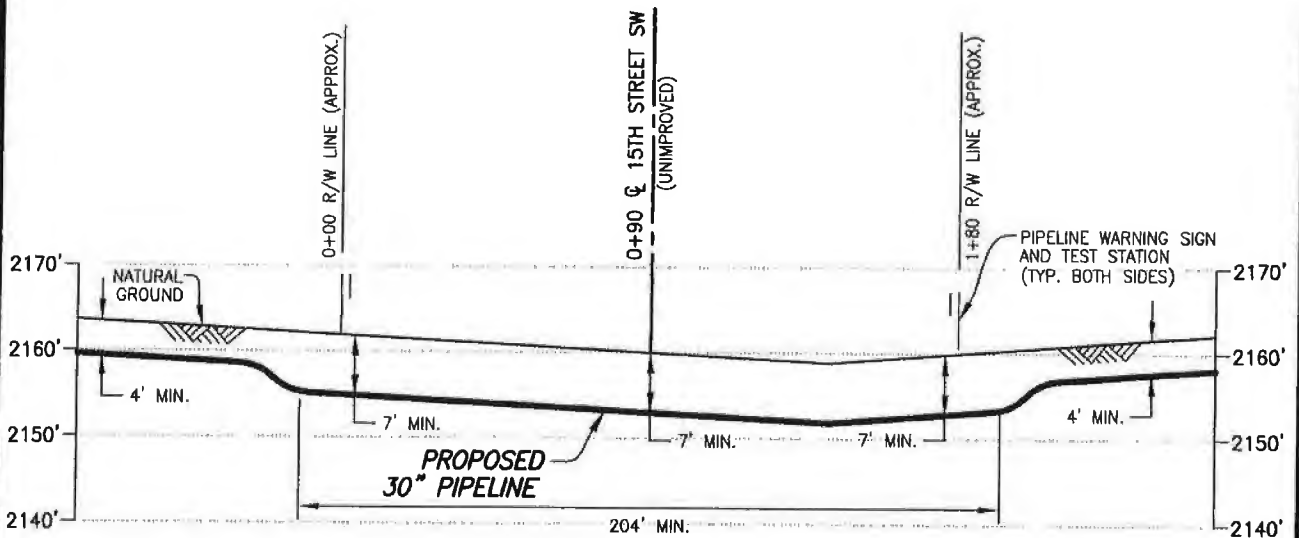
# MERCER COUNTY, NORTH DAKOTA

SECTIONS 14 & 23, TOWNSHIP 143 NORTH, RANGE 90 WEST



## PLAN

SCALE: 1"=50'



### PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.  
 API 5LX-70 HSAW  
 COATING: 14-16 MILS FBE  
 SERVICE: CRUDE OIL  
 INSTALLATION: OPEN CUT  
 MIN. TEST PRESSURE: 1,800 PSIG  
 MOP: 1,440 PSIG  
 MIN. YIELD STRENGTH: 70,000 PSI

### PROFILE

SCALE: 1"=50' HORIZ.  
 1"=20' VERT.

① X=2374229.01  
 Y=17163288.67

### DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET

T.B.M.: 15TH STREET SW  
 AT STA. 0+90, ELEV. 2160.01'

FILE: R:\Projects\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MERCER COUNTY\103957-PB-ND-ME-013.900.dwg PLOT DATE: 3/3/2016 BY: MADAMBA, JOEY

REV.	DATE	BY	DESCRIPTION	CHK.
A	03/02/16	ARC	ISSUED FOR USE/PERMIT	RC
PROJECT NO. 10395700				
<b>WOOD GROUP MUSTANG, INC.</b> NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C				

DAKOTA ACCESS, LLC			
<b>PROPOSED 30" DAPL PIPELINE CROSSING</b> <b>15TH STREET SW</b>			
MERCER COUNTY		NORTH DAKOTA	
DRAWN BY: ARC	DATE: 03/02/16	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/16	ND-ME-013.900	A
SCALE: AS SHOWN	APP.:		

Utility Occupancy Application and Permit

Permit # 1624(16)

Applicant Information:

Owner of Facility: DAKOTA ACCESS LLC of Houston TX 77002
Mailing Address: 1300 MAIN STREET
Applicant's Agent: Claire Cunningham SR. Permits Agent Telephone Number: 802-989-2489

Mercer County Road # 3AvesW Direction N @ E W miles from city of
or 10,900' miles from Junction Mercer County Road # 13 St. SW
Section(s) 23 & 24 Township 143 Range 90

Type of Facility:

30" CRUDE OIL PIPELINE
Description of proposed facility (include drawings/sketches/staking sheet)

OPEN CUT
Description of proposed method of installation

RECEIVED
MAR 11 2016

BY: Size of Facility: 1440 PSIG Pipeline Pressure
Number of Cables: N/A Size of Casing
Length of Down Guys: N/A Length of Casing
Location of Pole(s) Location of Appurtenances (Vents, Manholes, Valves, etc.) Location-Others

Terms & Conditions: Installation and method of said facilities on highway right of way shall be subject to the following terms & conditions; and the installation & maintenance provisions, attached hereto and made a part hereof.

- A. Installation of said facility shall be done in a manner satisfactory to the Mercer County Road Superintendent.
B. Applicant shall notify the Mercer County Road Superintendent 48 hours prior to maintaining, relocating, or removal of said facilities.
C. Mercer County shall not be liable for damage to said facilities resulting from reconstruction or maintenance of the highway.
D. Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over, or under highway right of way.
E. Applicant shall remove said facilities from highway right of way or shall relocate or adjust said facilities at its sole cost & expense when they are requested to do so by Mercer County.
F. Containment of Weeds until permanent grass has been established.
G. Additional installation & maintenance requirements are as follows (if applicable):
H. Installation shall be completed on or before

2/11/16
Date

[Signature] Vice President, Land and Right of Way
Applicant Signature

Applicant is hereby granted permission to install & maintain the facilities applied for, as shown on the plans attached hereto & made a part hereof.

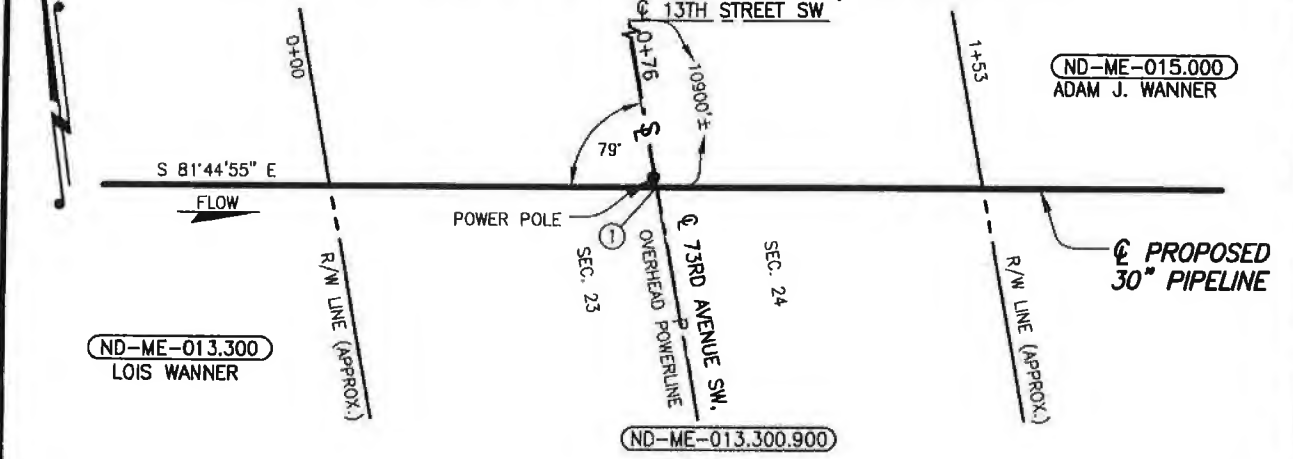
Approved by Mercer County Board of Commissioners/Road Superintendent this 06 day of April 2016

[Signature] Road Superintendent
[Signature] Chairman, Mercer County Commission

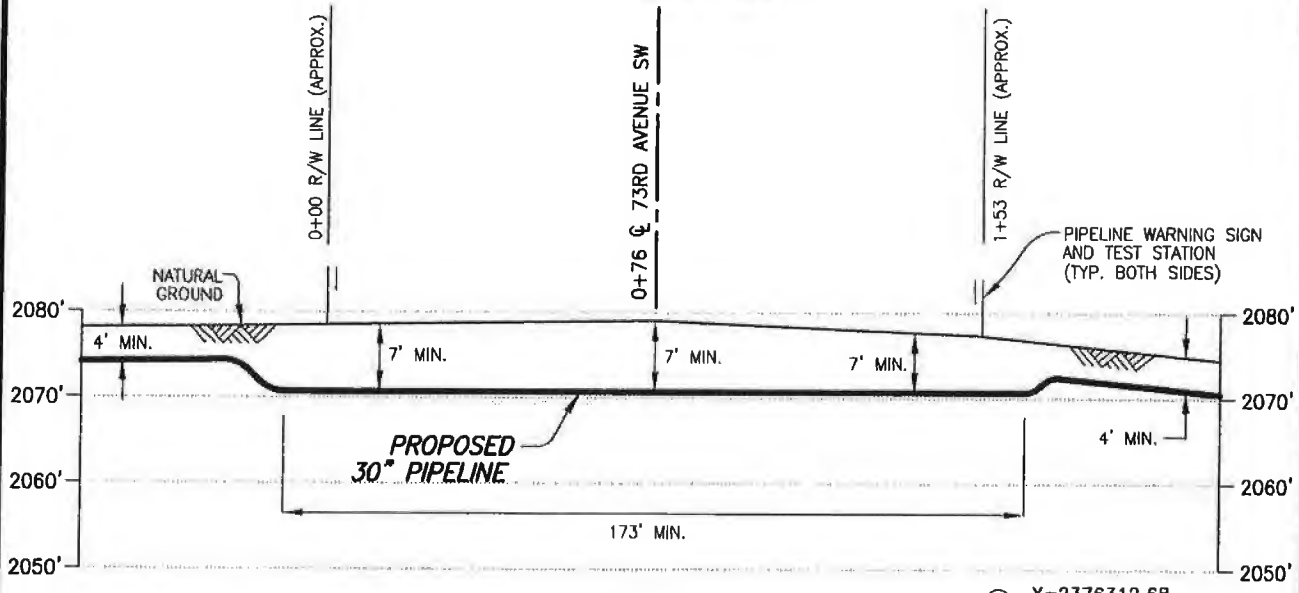
ND-ME-013 200.900 73AWE

# MERCER COUNTY, NORTH DAKOTA

SECTIONS 23 & 24, TOWNSHIP 143 NORTH, RANGE 90 WEST



**PLAN**  
SCALE: 1"=40'



**PROFILE**  
SCALE: 1"=40' HORIZ.  
1"=20' VERT.

**PIPE SPECIFICATIONS**  
 PIPE 30" O.D. x 0.625" W.T.  
 API 5LX-70 HSAW  
 COATING: 14-16 MILS FBE  
 SERVICE: CRUDE OIL  
 INSTALLATION: OPEN CUT  
 MIN. TEST PRESSURE: 1,800 PSIG  
 MOP: 1,440 PSIG  
 MIN. YIELD STRENGTH: 70,000 PSI


① X=2376312.68  
 Y=17163003.21  
**DATUM:**  
 ALL ELEVATIONS DERIVED FROM GPS  
 OBSERVATIONS (GEOID 2012, NAVD 88)  
 BEARINGS BASED ON UTM ZONE 13  
 NORTH AMERICAN DATUM 1983.  
 U.S. SURVEY FEET  
 T.B.M.: 73RD AVENUE SW  
 AT STA. 0+76, ELEV. 2079.09'

FILE: R:\Projects\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MERCER COUNTY\103957-PB-ND-ME-013.300.900.dwg PLOT DATE: 3/7/2016 BY: MADAMBA, JOEY

REV.	DATE	BY	DESCRIPTION	CHK.
A	03/07/16	JTM	ISSUE FOR USE/PERMIT	RC

PROJECT NO. **10395700**

**WOOD GROUP MUSTANG, INC.**  
 NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

**PROPOSED 30" DAPL PIPELINE CROSSING**  
**73RD AVENUE SW**

MERCER COUNTY NORTH DAKOTA

DRAWN BY: JTM	DATE: 03/07/16	DWG. NO.	REV.
CHECKED BY: TC	DATE: 03/07/16	ND-ME-013.300.900	A
SCALE: AS SHOWN	APP.: RC		

# Utility Occupancy Application and Permit

Permit # 1596 (16)

## Applicant Information:

DAKOTA ACCESS LLC of Houston, TX 77002  
Owner of Facility City State

1300 MAIN STREET  
Mailing Address Telephone Number

Clare Cunningham SR. Permits Agent 802-989-2489  
Applicant's Agent Title Telephone Number

## Location of Facility:

Mercer County Road # 116 ST. SW Direction N S E W miles from city of \_\_\_\_\_

or 12450' miles from Junction Mercer County Road # 5

Section(s) 24 & 25 Township 143 N Range 90 W

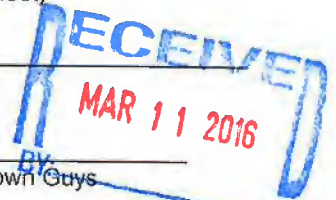
## Type of Facility:

30" CRUDE OIL PIPELINE  
Description of proposed facility (include drawings/sketches/staking sheet)

OPEN CUT  
Description of proposed method of installation

Size of Facility <u>1440 PSIG</u>	Number of Cables <u>N/A</u>	Length of Down Guys <u>N/A</u>
Pipeline Pressure	Size of Casing	Length of Casing

Location of Pole(s)	Location of Appurtenances (Vents, Manholes, Valves, etc.)	Location-Others
---------------------	--	-----------------



## Terms & Conditions:

Installation and method of said facilities on highway right of way shall be subject to the following terms & conditions; and the installation & maintenance provisions, attached hereto and made a part hereof.

- A. Installation of said facility shall be done in a manner satisfactory to the Mercer County Road Superintendent.
- B. Applicant shall notify the Mercer County Road Superintendent 48 hours prior to maintaining, relocating, or removal of said facilities. All disturbed areas shall be restored to their original condition in a manner satisfactory to the Mercer County Road Superintendent.
- C. Mercer County shall not be liable for damage to said facilities resulting from reconstruction or maintenance of the highway. Applicant shall hold Mercer County and any of its employees harmless for injury to persons or damage to property resulting from the location of said facilities on highway right of way.
- D. Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over, or under highway right of way; which may be damaged as a result of the installation & maintenance of said facilities on highway right of way.
- E. Applicant shall remove said facilities from highway right of way or shall relocate or adjust said facilities at its sole cost & expense when they are requested to do so by Mercer County, which shall be completed as soon thereafter as is practicable.
- F. Containment of Weeds until permanent grass has been established.
- G. Additional installation & maintenance requirements are as follows (if applicable):

H. Installation shall be completed on or before \_\_\_\_\_

2/11/16  
Date

IBD May 2017  
[Signature]  
Vice President, Land and Right of Way  
Applicant Signature

Applicant is hereby granted permission to install & maintain the facilities applied for, as shown on the plans attached hereto & made a part hereof.

Approved by Mercer County Board of Commissioners/Road Superintendent this 06 day of April 20 16

[Signature]  
Road Superintendent

[Signature]  
Chairman, Mercer County Commission

ND-ME-016.900  
16 St. SW

Longitudinal:

**Location #** \_\_\_\_\_  
Mercer Co. Highway # 16 St. SW Lanes of Traffic 2 4 section line  
Direction N S E W \_\_\_\_\_ feet from mile marker \_\_\_\_\_  
Direction N S E W \_\_\_\_\_ miles from city of \_\_\_\_\_  
or 12,450' miles from junction highway # CR 5

**Location #** \_\_\_\_\_  
\_\_\_\_\_ Highway # \_\_\_\_\_ Lanes of Traffic 2 4  
Direction N S E W \_\_\_\_\_ feet from mile marker \_\_\_\_\_  
Direction N S E W \_\_\_\_\_ miles from city of \_\_\_\_\_  
or \_\_\_\_\_ miles from junction highway # \_\_\_\_\_

**Location #** \_\_\_\_\_  
\_\_\_\_\_ Highway # \_\_\_\_\_ Lanes of Traffic 2 4  
Direction N S E W \_\_\_\_\_ feet from mile marker \_\_\_\_\_  
Direction N S E W \_\_\_\_\_ miles from city of \_\_\_\_\_  
or \_\_\_\_\_ miles from junction highway # \_\_\_\_\_

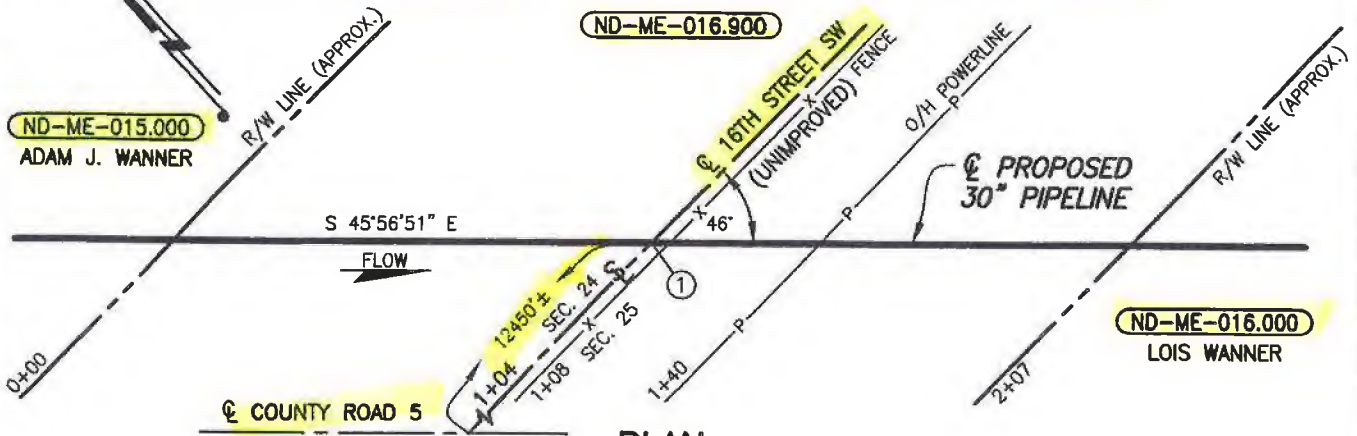
**Location #** \_\_\_\_\_  
\_\_\_\_\_ Highway # \_\_\_\_\_ Lanes of Traffic 2 4  
Direction N S E W \_\_\_\_\_ feet from mile marker \_\_\_\_\_  
Direction N S E W \_\_\_\_\_ miles from city of \_\_\_\_\_  
or \_\_\_\_\_ miles from junction highway # \_\_\_\_\_

**Interstate Highways** (applicant's description of the proposed method of ingress and egress to each work location).  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

ND-ME-016.900  
16 St. SW

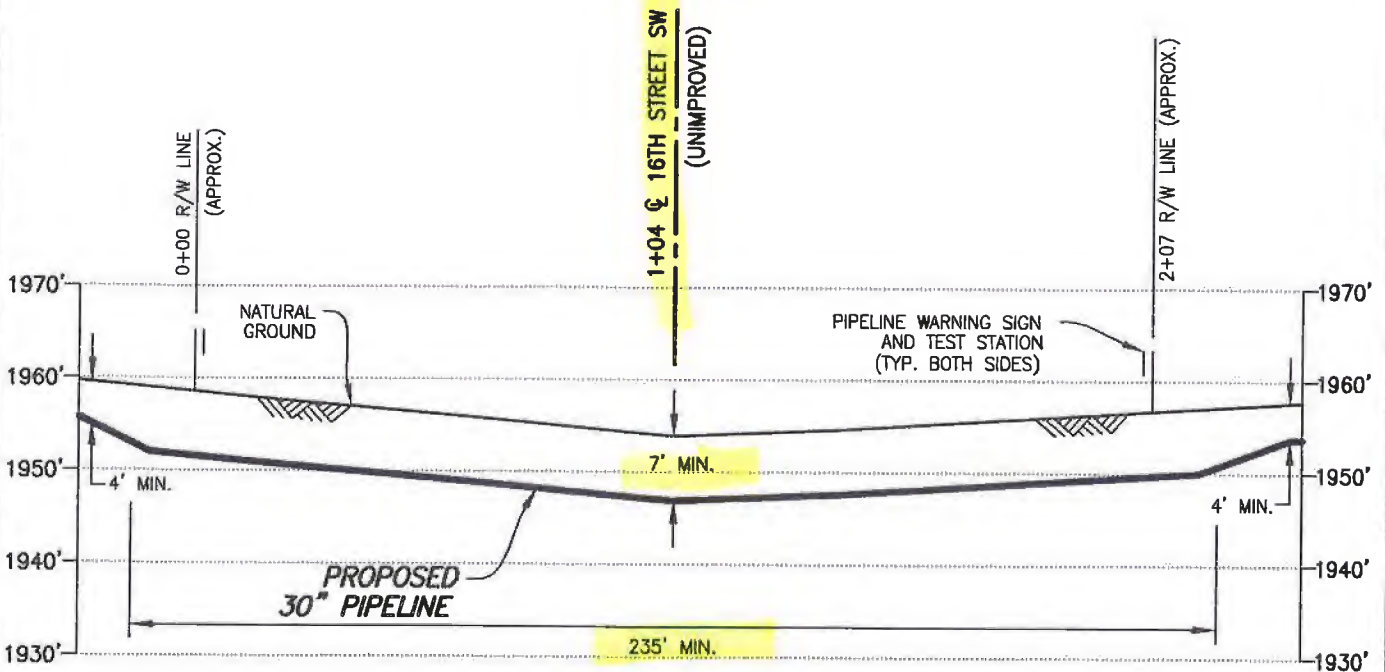
# MERCER COUNTY, NORTH DAKOTA

SECTIONS 24 & 25, TOWNSHIP 143 NORTH, RANGE 90 WEST



## PLAN

SCALE: 1"=40'



## PROFILE

SCALE: 1"=40' HORIZ.  
1"=20' VERT.


① X=2380513.41  
Y=17158254.06

**DATUM:**  
ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET  
T.B.M.:  $\odot$  FENCE AT STA. 1+08, ELEV. 1953.89'

### PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.  
API 5LX-70 HSAW  
COATING: 14-16 MILS FBE  
W/40 MILS ARO  
SERVICE: CRUDE OIL  
INSTALLATION: OPEN CUT  
MIN. TEST PRESSURE: 1,800 PSIG  
MOP: 1,440 PSIG  
MIN. YIELD STRENGTH: 70,000 PSI

REV.	DATE	BY	DESCRIPTION	CHK.
B	10/27/15	JTM	ISSUED FOR USE/PERMIT	RC
A	03/02/15	PRV	ISSUED FOR USE/PERMIT	RC


**DAKOTA ACCESS, LLC**

### PROPOSED 30" DAPL PIPELINE CROSSING 16TH STREET SW (UNIMPROVED)

PROJECT NO. **10395700**


**WOOD GROUP MUSTANG, INC.**  
 NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

MERCER COUNTY		NORTH DAKOTA	
DRAWN BY: MS	DATE: 01/30/15	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	<b>ND-ME-016.900</b>	<b>B</b>
SCALE: AS SHOWN	APP.:		

FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93--PERMIT\NORTH DAKOTA\MERCER COUNTY\103957-P8-NI  
 016.900.dwg PLOT DATE: 10/27/2015 BY: MADAMBA, JOEY

# Utility Occupancy Application and Permit

Permit # 1625 (16)

## Applicant Information:

DAKOTA ACCESS LLC of Houston, Tx 77002  
Owner of Facility City State

1300 MAIN STREET  
Mailing Address Telephone Number

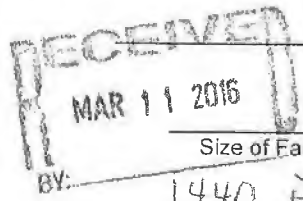
Chaire Cunningham SR. Permits Agent 802.989.2489  
Applicant's Agent Title Telephone Number

Mercer County Road # 72 AVE SW Direction N(S)E W \_\_\_\_\_ miles from city of \_\_\_\_\_  
or 1320' miles from Junction Mercer County Road # 16 ST. SW  
Section(s) 25 & 30 Township 143 Range 90189

## Type of Facility:

30" CRUDE OIL PIPELINE  
Description of proposed facility (include drawings/sketches/staking sheet)

OPEN CUT  
Description of proposed method of installation



Size of Facility	Number of Cables	Length of Down Guys
<u>1440 PSIG</u>	<u>N/A</u>	<u>N/A</u>
Pipeline Pressure	Size of Casing	Length of Casing
Location of Pole(s)	Location of Appurtenances (Vents, Manholes, Valves, etc.)	Location-Others

## Terms & Conditions:

- Installation and method of said facilities on highway right of way shall be subject to the following terms & conditions; and the installation & maintenance provisions, attached hereto and made a part hereof.
- A. Installation of said facility shall be done in a manner satisfactory to the Mercer County Road Superintendent.
  - B. Applicant shall notify the Mercer County Road Superintendent 48 hours prior to maintaining, relocating, or removal of said facilities.
  - C. All disturbed areas shall be restored to their original condition in a manner satisfactory to the Mercer County Road Superintendent.
  - D. Mercer County shall not be liable for damage to said facilities resulting from reconstruction or maintenance of the highway. Applicant shall hold Mercer County and any of its employees harmless for injury to persons or damage to property resulting from the location of said facilities on highway right of way.
  - E. Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over, or under highway right of way; which may be damaged as a result of the installation & maintenance of said facilities on highway right of way.
  - F. Applicant shall remove said facilities from highway right of way or shall relocate or adjust said facilities at its sole cost & expense when they are requested to do so by Mercer County, which shall be completed as soon thereafter as is practicable.
  - G. Containment of Weeds until permanent grass has been established.
  - H. Additional installation & maintenance requirements are as follows (if applicable):

Installation shall be completed on or before \_\_\_\_\_  
2/11/14 Date [Signature] Vice President, Land and Right of Way  
Applicant Signature

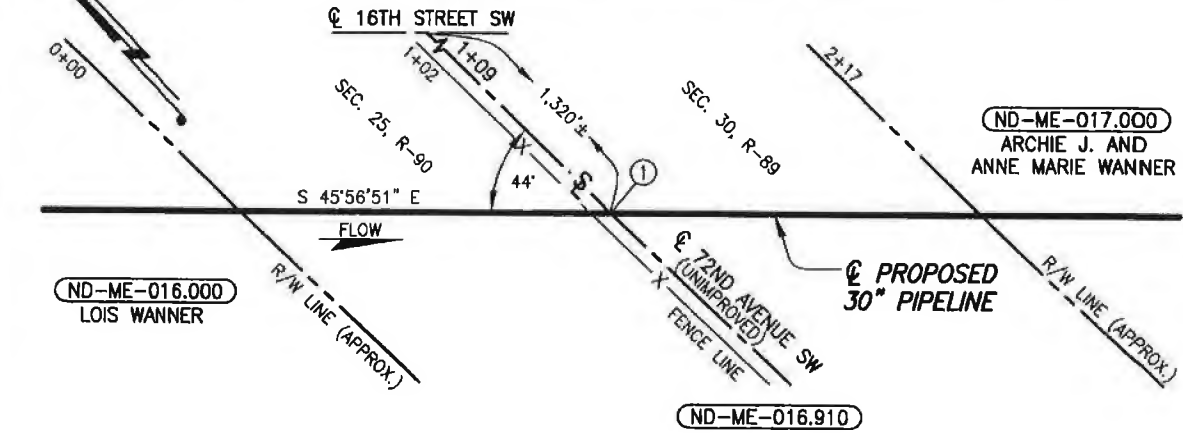
Applicant is hereby granted permission to install & maintain the facilities applied for, as shown on the plans attached hereto & made a part hereof.

Approved by Mercer County Board of Commissioners/Road Superintendent this 06 day of April 20 16.  
[Signature] Road Superintendent [Signature] Chairman, Mercer County Commission

MID-ME 010 010 720

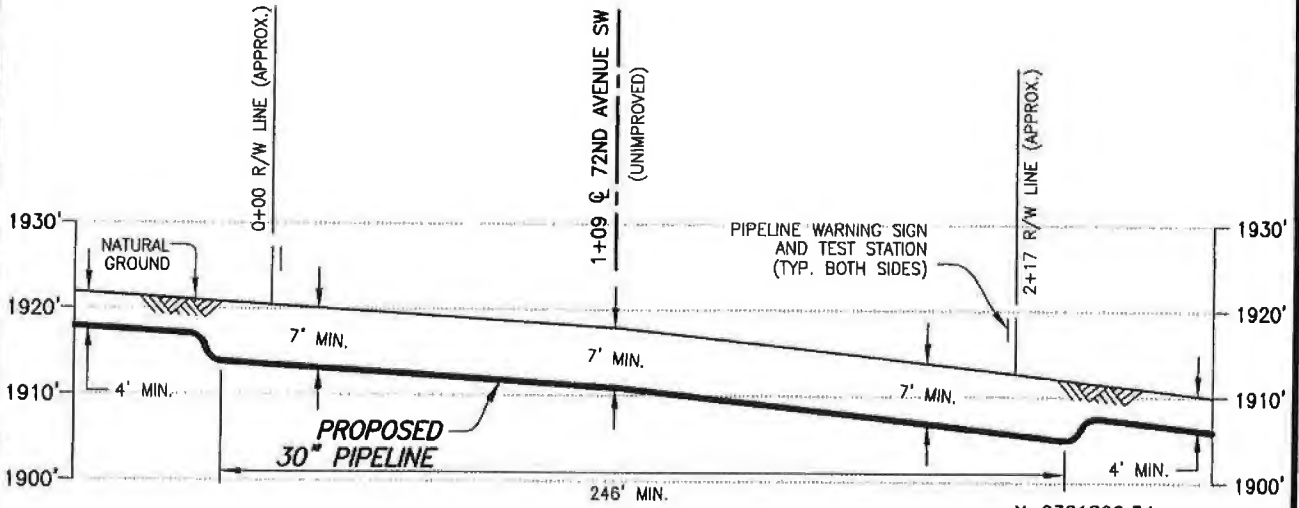
# MERCER COUNTY, NORTH DAKOTA

SECTIONS 25 & 30, TOWNSHIP 143 NORTH, RANGES 90 & 89 WEST



## PLAN

SCALE: 1"=50'



## PROFILE

SCALE: 1"=50' HORIZ.  
1"=20' VERT.

**PIPE SPECIFICATIONS**  
 PIPE 30" O.D. x 0.625" W.T.  
 API 5LX-70 HSAW  
 COATING: 14-16 MILS FBE  
 SERVICE: CRUDE OIL  
 INSTALLATION: OPEN CUT  
 MIN. TEST PRESSURE: 1,800 PSIG  
 MOP: 1,440 PSIG  
 MIN. YIELD STRENGTH: 70,000 PSI

**DATUM:**  
 ALL ELEVATIONS DERIVED FROM GPS  
 OBSERVATIONS (GEOID 2012, NAVD 88)  
 BEARINGS BASED ON UTM ZONE 13  
 NORTH AMERICAN DATUM 1983.  
 U.S. SURVEY FEET  
 T.B.M.:  $\odot$  FENCE  
 AT STA. 1+02, ELEV. 1917.83'

FILE: R:\Projects\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MERCER COUNTY\103957-P8-ND-ME-016.910.dwg PLOT DATE: 3/4/2016 BY: MANSKE, MATTHEW

A	03/03/16	JMH	ISSUED FOR USE/PERMIT	RC
REV.	DATE	BY	DESCRIPTION	CHK.
PROJECT NO.			10395700	
		<b>WOOD GROUP MUSTANG, INC.</b> NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C		

DAKOTA ACCESS, LLC

**PROPOSED 30" DAPL PIPELINE CROSSING  
72ND AVENUE SW**

MERCER COUNTY		NORTH DAKOTA	
DRAWN BY: JMH	DATE: 03/03/16	DWG. NO.	REV.
CHECKED BY: TC	DATE: 03/03/16	ND-ME-016.910	A
SCALE: AS SHOWN	APP.:		



# Utility Occupancy Application and Permit

Permit # 1626 (16)

**Applicant Information:**

DAKOTA ACCESS LLC of Houston, Tx 77002  
Owner of Facility City State

1300 MAIN STREET  
Mailing Address

Caure Cunningham SR. Permits Agent 802-989-2489  
Applicant's Agent Title Telephone Number

Mercer County Road # 17ST. SW Direction N S E (W) miles from city of \_\_\_\_\_  
 or 11,500' miles from Junction Mercer County Road # CR #11

Section(s) 30 & 31 Township 143 Range 89

**Type of Facility:**

30" CRUDE OIL PIPELINE  
Description of proposed facility (include drawings/sketches/staking sheet)

OPEN CUT  
Description of proposed method of installation

RECEIVED  
 MAR 11 2016  
 BY: \_\_\_\_\_

<small>Size of Facility</small>	<small>Number of Cables</small>	<small>Length of Down Guys</small>
<u>1440 PSIG</u>	<u>N/A</u>	<u>N/A</u>
<small>Pipeline Pressure</small>	<small>Size of Casing</small>	<small>Length of Casing</small>
<small>Location of Pole(s)</small>	<small>Location of Appurtenances (Vents, Manholes, Valves, etc.)</small>	<small>Location-Others</small>

**Terms & Conditions:** Installation and method of said facilities on highway right of way shall be subject to the following terms & conditions; and the installation & maintenance provisions, attached hereto and made a part hereof.

- A. Installation of said facility shall be done in a manner satisfactory to the Mercer County Road Superintendent.
  - B. Applicant shall notify the Mercer County Road Superintendent 48 hours prior to maintaining, relocating, or removal of said facilities.
  - C. All disturbed areas shall be restored to their original condition in a manner satisfactory to the Mercer County Road Superintendent.
  - D. Mercer County shall not be liable for damage to said facilities resulting from reconstruction or maintenance of the highway. Applicant shall hold Mercer County and any of its employees harmless for injury to persons or damage to property resulting from the location of said facilities on highway right of way.
  - E. Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over, or under highway right of way; which may be damaged as a result of the installation & maintenance of said facilities on highway right of way.
  - F. Applicant shall remove said facilities from highway right of way or shall relocate or adjust said facilities at its sole cost & expense when they are requested to do so by Mercer County, which shall be completed as soon thereafter as is practicable.
  - G. Containment of Weeds until permanent grass has been established.
  - H. Additional installation & maintenance requirements are as follows (if applicable):
- H. Installation shall be completed on or before \_\_\_\_\_

2/11/16 [Signature]  
Date Vice President, Land and Right of Way Applicant Signature

Applicant is hereby granted permission to install & maintain the facilities applied for, as shown on the plans attached hereto & made a part hereof.

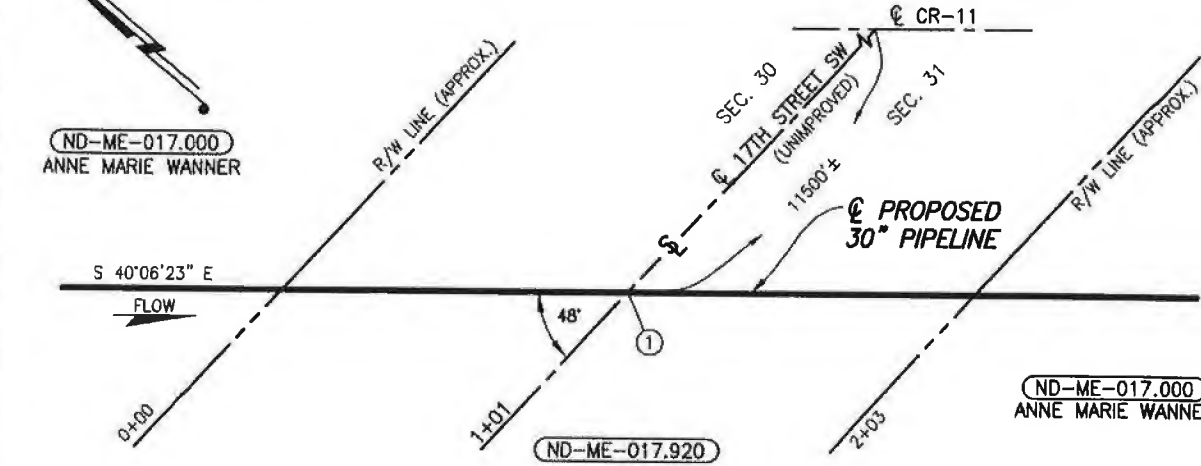
Approved by Mercer County Board of Commissioners/Road Superintendent this 06 day of April 2016

[Signature] [Signature]  
Road Superintendent Chairman, Mercer County Commission

ND-ME-017.920 17 St. SW

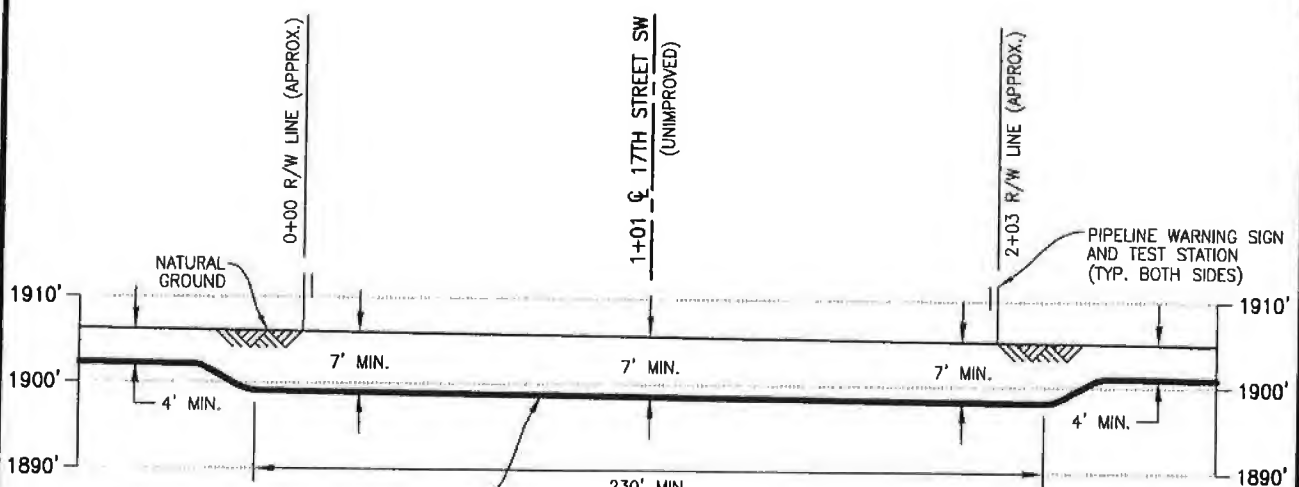
# MERCER COUNTY, NORTH DAKOTA

SECTIONS 30 & 31, TOWNSHIP 143 NORTH, RANGE 89 WEST



## PLAN

SCALE: 1"=50'




## PROFILE


SCALE: 1"=50' HORIZ.  
1"=20' VERT.

**PIPE SPECIFICATIONS**  
 PIPE 30" O.D. x 0.825" W.T.  
 API 5LX-70 HSAW  
 COATING: 14-16 MILS FBE  
 SERVICE: CRUDE OIL  
 INSTALLATION: OPEN CUT  
 MIN TEST PRESSURE: 1,800 PSIG  
 MOP: 1,440 PSIG  
 MIN. YIELD STRENGTH: 70,000 PSI

① X=894374.64  
 Y=17153205.07  
**DATUM:**  
 ALL ELEVATIONS DERIVED FROM GPS  
 OBSERVATIONS (GEOID 2012, NAVD 88)  
 BEARINGS BASED ON UTM ZONE 14  
 NORTH AMERICAN DATUM 1983.  
 U.S. SURVEY FEET  
 T.B.M.: © 17TH STREET SW  
 AT STA. 1+01, ELEV. 1905.64'

FILE: R:\Projects\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MERCER COUNTY\103957-P8-ND-ME-017.920.dwg PLOT DATE: 3/3/2016 BY: HARBOLT, JASON

A	03/02/16	JWH	ISSUED FOR USE/PERMIT	RC
REV.	DATE	BY	DESCRIPTION	CHK.
PROJECT NO. 10395700				
 <b>WOOD GROUP MUSTANG, INC.</b> NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C				

 DAKOTA ACCESS, LLC			
<b>PROPOSED 30" DAPL PIPELINE CROSSING</b> <b>17TH STREET SW</b>			
MERCER COUNTY		NORTH DAKOTA	
DRAWN BY: JWH	DATE: 03/02/16	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/16	<b>ND-ME-017.920</b>	<b>A</b>
SCALE: AS SHOWN	APP.:		

# Utility Occupancy Application and Permit

Permit # 1627 (6)

**Applicant Information:**

DAKOTA ACCESS LLC of Houston, Tx 77002  
Owner of Facility City State

1300 MAIN STREET  
Mailing Address Telephone Number

Carrie Cunningham SR. Permits Agent 802.989.2489  
Applicant's Agent Title Telephone Number

Mercer County Road # 71 Ave SW Direction (N) S E W \_\_\_\_\_ miles from city of \_\_\_\_\_  
 or 30,540' miles from Junction Mercer County Road # 23 St. SW  
 Section(s) 31 & 32 Township 143 Range 89

**Type of Facility:**

30" CRUDE OIL PIPELINE  
Description of proposed facility (include drawings/sketches/staking sheet)

OPEN CUT  
Description of proposed method of installation

RECEIVED  
 MAR 11 2016  
 BY: 1440 PSIC

<small>Size of Facility</small>	<small>Number of Cables</small>	<small>Length of Down Guys</small>
<u>1440 PSIC</u>	<u>N/A</u>	<u>N/A</u>
<small>Pipeline Pressure</small>	<small>Size of Casing</small>	<small>Length of Casing</small>
	<u>N/A</u>	<u>N/A</u>

<small>Location of Pole(s)</small>	<small>Location of Appurtenances (Vents, Manholes, Valves, etc.)</small>	<small>Location-Others</small>

**Terms & Conditions:** Installation and method of said facilities on highway right of way shall be subject to the following terms & conditions; and the installation & maintenance provisions, attached hereto and made a part hereof.

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- F. Containment of Weeds until permanent grass has been established.
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- H. Installation shall be completed on or before \_\_\_\_\_

2/11/16  Vice President, Land and Right of Way  
Date Applicant Signature

Applicant is hereby granted permission to install & maintain the facilities applied for, as shown on the plans attached hereto & made a part hereof.

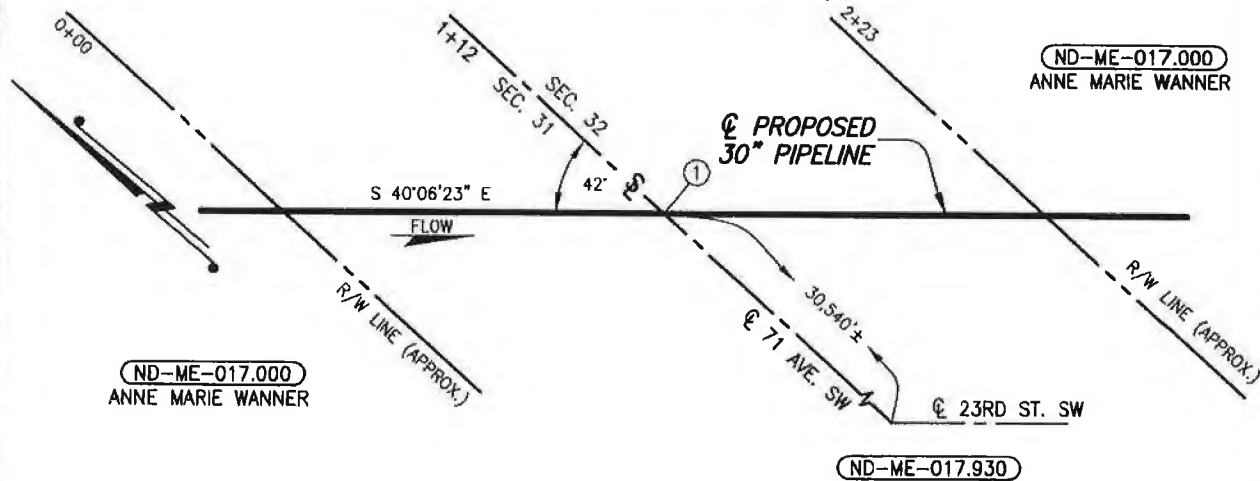
Approved by Mercer County Board of Commissioners/Road Superintendent this 06 day of April 2016.

Ken J. Miller [Signature]  
Road Superintendent Chairman, Mercer County Commission

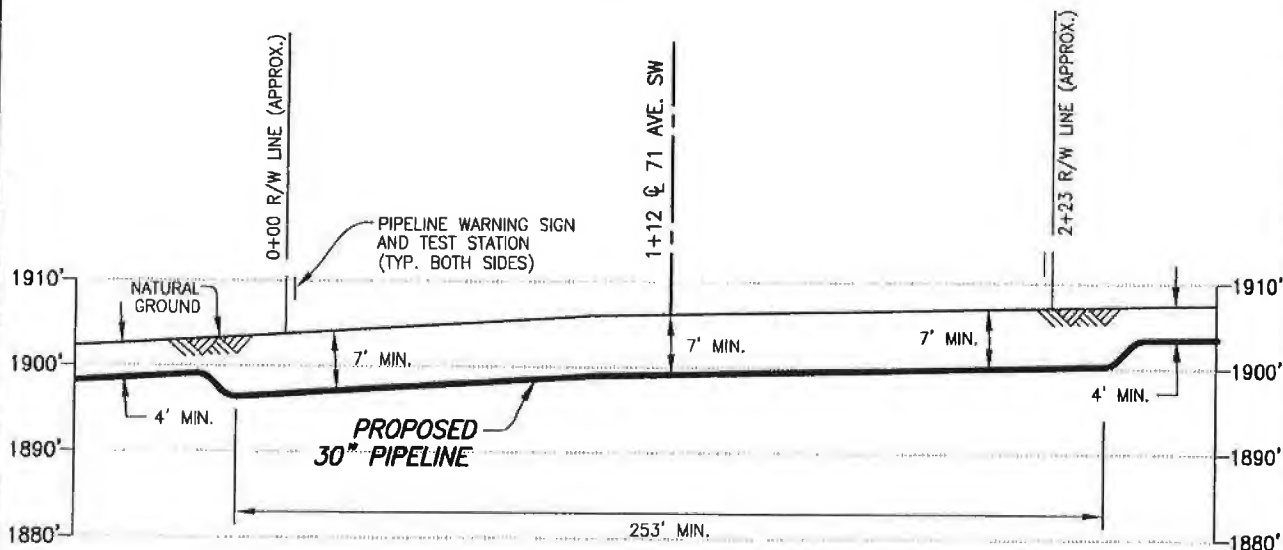
ND-me-017930 71 Ave SW

# MERCER COUNTY, NORTH DAKOTA

## SECTIONS 31 & 32, TOWNSHIP 143 NORTH, RANGE 89 WEST



**PLAN**  
SCALE: 1"=50'



**PROFILE**  
SCALE: 1"=50' HORIZ.  
1"=20' VERT.

① X=895304.76  
Y=17152100.77

**DATUM:**  
ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 14 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET  
T.B.M.: 71 AVENUE SW AT STA. 1+12, ELEV. 1906.20'

**PIPE SPECIFICATIONS**

PIPE 30" O.D. x 0.625" W.T.  
API 5LX-70 HSAW  
COATING: 14-16 MILS FBE  
SERVICE: CRUDE OIL  
INSTALLATION: OPEN CUT  
MIN TEST PRESSURE: 1,800 PSIG  
MOP: 1,440 PSIG  
MIN. YIELD STRENGTH: 70,000 PSI

REV.	DATE	BY	DESCRIPTION	CHK.
A	03/02/18	MSM	ISSUED FOR USE/PERMIT	RC

PROJECT NO. 10395700



**WOOD GROUP MUSTANG, INC.**  
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

**PROPOSED 30" DAPL PIPELINE CROSSING  
71 AVENUE SW**

MERCER COUNTY		NORTH DAKOTA	
DRAWN BY: MSM	DATE: 03/03/16	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/04/16	ND-ME-017.930	A
SCALE: AS SHOWN	APP.:		

FILE: R:\Projects\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MERCER COUNTY\103957-P8-ND-ME-017.930.dwg PLOT DATE: 3/3/2016 BY: RICKS, STEVEN